

PB2200H-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	2.2 kW
Max. DC Input Current	22 A
Max. DC Input Voltage	450 V
Recommended MPP Voltage	150 - 360 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	5.8 A
Adapting Motor Power	0.75 - 1.5 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	5.5 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	257 × 416 × 158 mm
Packing Size	465 × 340 × 248 mm
Net Weight	8 kg
Gross Weight	9.2 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

PB3700H-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	3.7 kW
Max. DC Input Current	11 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	12 A
Adapting Motor Power	2.2 - 3 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	9 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C
Cooling Method	natural air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	257 × 416 × 158 mm
Packing Size	465 × 340 × 248 mm
Net Weight	8 kg
Gross Weight	9.2 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

V1.0 202009

PB5500H-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	5.5 kW
Max. DC Input Current	16 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	17.5 A
Adapting Motor Power	4 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	13 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	257 × 416 × 158 mm
Packing Size	465 × 340 × 248 mm
Net Weight	8 kg
Gross Weight	9.2 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

PB7500H-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	7.5 kW
Max. DC Input Current	22 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	22.5 A
Adapting Motor Power	5.5 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	18 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	257 × 416 × 158 mm
Packing Size	465 × 340 × 248 mm
Net Weight	8 kg
Gross Weight	9.2 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

PB11KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60℃. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	11 kW
Max. DC Input Current	32 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	30 A
Adapting Motor Power	7.5 - 11 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	24 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 ℃
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	300 × 458 × 175 mm
Packing Size	500 × 390 × 265 mm
Net Weight	11.5 kg
Gross Weight	13 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

V1.0 202009

PB15KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60℃. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	15 kW
Max. DC Input Current	44 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	39 A
Adapting Motor Power	11 - 15 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	30 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 ℃
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	300 × 458 × 175 mm
Packing Size	500 × 390 × 265 mm
Net Weight	11.5 kg
Gross Weight	13 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

V1.0 202009

PB18KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60℃. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	18.5 kW
Max. DC Input Current	55.5 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	45 A
Adapting Motor Power	18.5 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	39 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 ℃
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	300 × 458 × 175 mm
Packing Size	500 × 390 × 265 mm
Net Weight	11.5 kg
Gross Weight	13 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

V1.0 202009

PB22KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60℃. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	22 kW
Max. DC Input Current	66 A
Max. DC Input Voltage	850 V
Recommended MPP Voltage	500 - 700 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	54 A
Adapting Motor Power	22 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	45 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 ℃
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	300 × 458 × 175 mm
Packing Size	500 × 390 × 265 mm
Net Weight	11.5 kg
Gross Weight	13 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years



Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

PB30KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	30 kW
Max. DC Input Current	90 A
Max. DC Input Voltage	780 V
Recommended MPP Voltage	500 - 600 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	68 A
Adapting Motor Power	30 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	60 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	388 × 625 × 235 mm
Packing Size	681 × 484 × 428 mm
Net Weight	29 kg
Gross Weight	39.5 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years

Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011



PB37KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	37 kW
Max. DC Input Current	111 A
Max. DC Input Voltage	780 V
Recommended MPP Voltage	500 - 600 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	84 A
Adapting Motor Power	37 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	75 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C*
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	388 × 625 × 235 mm
Packing Size	681 × 484 × 428 mm
Net Weight	29 kg
Gross Weight	39.5 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years

Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

*The rated output current should be derated by 2% for every 1°C increase when ambient temperature over 50°C.

V1.0 202009



PB45KH-G3

Solartech Solar Pumping Inverter

- Compatible with submersible pumps, surface pumps, swimming pool pumps using induction motors.
- Patented dynamic VI maximum power tracking (MPPT) algorithm; Faster response and good stability. MPPT efficiency reaches 99%.
- Full automatic operation. 8 years storage capacity for operation data.
- Support soft start of pump. Full motor protections. Optional water level switch to protect overflow and dry running.
- Good sealing, IP65 protection grade. Ambient temperature: -20~+60°C. Ambient humidity ≤95%. Suitable for harsh outdoor installation environment.
- Using high standard components, wide input voltage range, built-in boost circuits for low power models, flexible options for solar panels configuration.
- LCD display, user friendly interface, rich display information.
- Support PV/AC power complementary input, with solar priority function selection which can meet the requirement of 24 hours application while the priority is given to the maximum utility of solar energy and the AC power supply is automatically shielded to achieved the goal of main power saving.
- Optional built-in wireless communication module to implement system remote monitoring.
- Support timing control, pressure detection and control, liquid level depth detection and control and other water pump control functions.
- Support multi-pump linkage operation function, meet the expansion of large-flow and high-lift systems application, improve the power efficiency and reduce the configuration usage of PV modules of the system.
- Support installment encryption to lock the pumping system and enter the activation code to unlock.

Technical Data

Rated Power	45 kW
Max. DC Input Current	135 A
Max. DC Input Voltage	780 V
Recommended MPP Voltage	500 - 600 V
AC Input Voltage	3PH 380 - 440 V
Rated AC Input Current	98 A
Adapting Motor Power	45 kW
Adapting Motor Voltage	3PH 380 - 440 V
Rated AC Output Current	92 A
Output Frequency	0 - 50 / 60 Hz
MPPT Efficiency	99%
Rated Conversion Efficiency	≥98%
Ambient Temperature	-20 ~ 60 °C*
Cooling Method	forced air cooling
Display	LCD
Protection Grade	IP65

Dimension and Weight

Product Dimension	388 × 625 × 235 mm
Packing Size	681 × 484 × 428 mm
Net Weight	29 kg
Gross Weight	39.5 kg

Relevant Information

Optional Accessory	Water level switch (for well or tank)
	Built-in wireless communication module (Model-R)
	Liquid level sensor / pressure sensor
Warranty	3 years

Standards



IEC 62109-1:2010
IEC 62109-2:2011
IEC 61000-6-2:2019
EN 61000-6-4:2007+A1:2011

*The rated output current should be derated by 2% for every 1°C increase when ambient temperature over 50°C.

V1.0 202009

