

Solar Pumping Inverter Series

E24™

P160E



E24 Solar pumping inverters are highly accurate and reliable inverters specifically conceived to drive pumps of all types. Solar Pumping Inverters use a high accuracy fast MPPT algorithms to track PV array output by the maximum power point. The inverter includes the algorithm to soft start the pumps and automatically monitor its torque to minimize its consumption and keep it running even under low solar radiation.

The inverter includes an AC input in order to drive the pumps during very low solar radiation or during night time.

E24 Solar Inverters include the needed circuitry and intelligence to self-protect as well as protect and increase the lifetime of the connected pumps.

Capacity Range

Power range: 0.4-160 kW

Output frequency: 0-400Hz

Input voltage range:

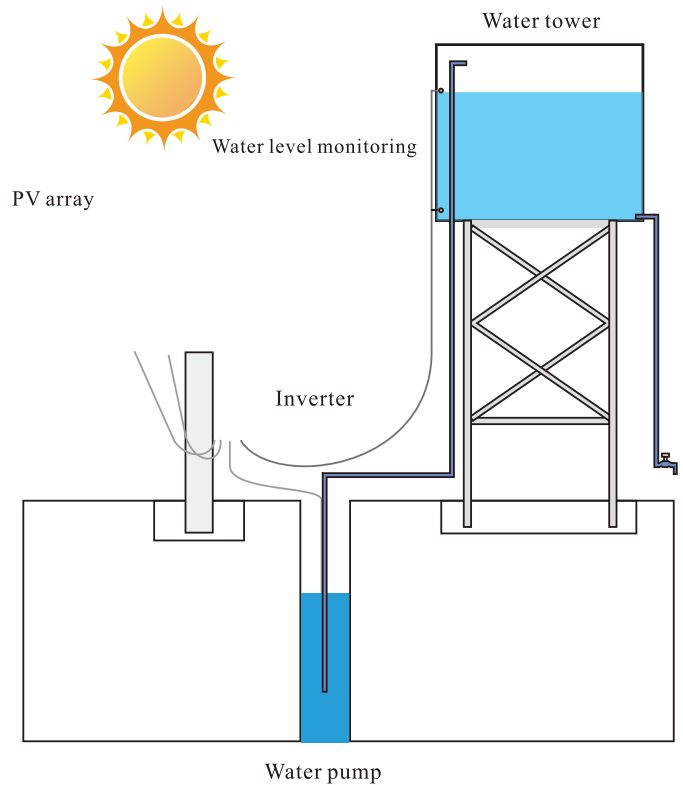
1: DC 200V-380V, 1-phase AC 220V 2: DC 200V-380V,
3-phase AC 220V 3: DC 350V-750V, 3-phase AC 380V 4: DC
450V-850V, 3-phase AC 480V

Technique Features

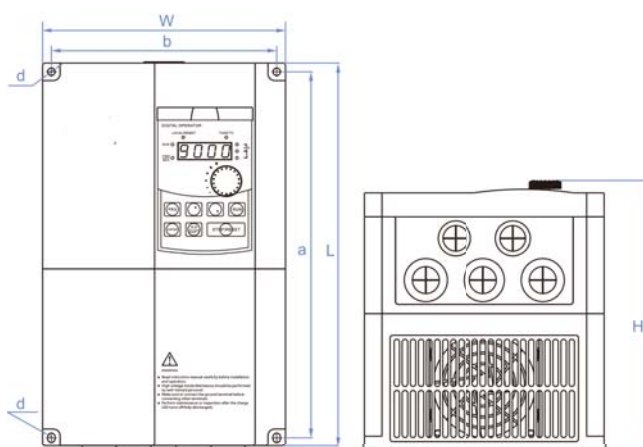
- > Built-in high precision PV array maximum power point tracking MPPT algorithms
- > Dry running mode monitoring, treatment
Tank water level control
- > Accept DC/AC input
- > LED displays the real time situation and the parameter of system
- > RS485 Modbus RTU
- > Real time remote control system
- > Fast installation design, no need for extra maintenance
- > Built-in full protection and diagnostic mechanism.

Application Filed

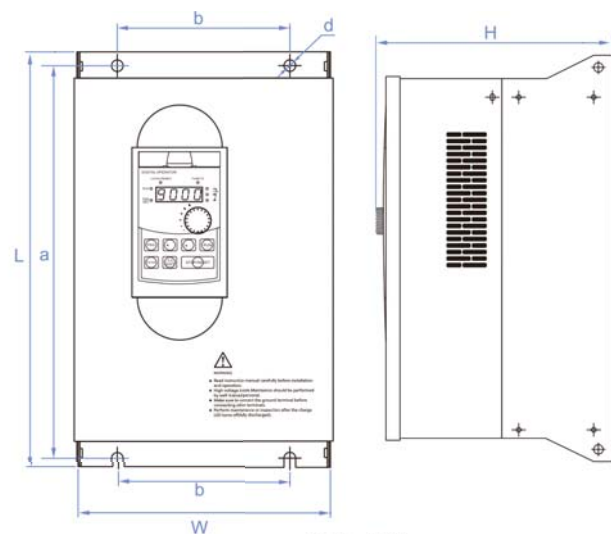
Agriculture irrigation, grassland animal husbandry, forest irrigation, municipal water, landscape fountain, fish pound, highway greening, coastal saltworks water supply and drainage, etc.



Specifications



9S2~9S4



9L1~9L3

Inverter Power (kW)	Max.DC input current (A)	Open-circuit voltage degree of solar module									
		20±3V		30±3V		36±3V		42±3V			
		Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings	Module Power +/-5Wp	Modules per string x strings
0.75	4.2	30	29*1	-	-	-	-	-	-	-	-
1.5	6.1	60	30*1	--	-	-	-	-	-	-	-
2.2	7.1	90	30*1	-	-	145	18*1	175	15*1	-	-
4	16.5	85	28*2	200	22*1	140	17*2	160	15*2	-	-
5.5	23.9	-	-	-	-	195	17*2	220	15*2	-	-
7.5	30.6	-	-	215	21*2	175	17*3	200	15*3	300	15*2
11	39.2	-	-	200	22*3	195	17*4	220	15*4	-	-
15	49	-	-	205	22*4	200	18*5	240	15*5	300	15*4
*Recommended DC input power is about 1.2 times of inverter rated power(for 3 phase,380V inverters)											

Model	Power	Voltage	Output Current	Dimensions (LxWxH mm)	Installation Dimensions (axb dmm)	Base No.
PVIP1-1KI	1.5	1-Phase AC 220V ±10% DC200~380V	7	185/120/165	174/108/5.3	9S2
PVIP1-2KI	2.2		10	220/150/182	209/138/5.3	9S3
PVIP1-4KI	4		16	285/180/200	272/167/5.5	9S4
PVIP1-7KI	7.5		32	360/220/225	340/150/10	9L1
PVIP3-11KI	11		45	435/275/258	415/165/5.5	9L2
PVIP3-4KI	4	3-Phase AC 220V ±10% DC200~380V	16	285/180/200	272/167/5.5	9S4
PVIP3-7KI	7.5		32	360/220/225	340/150/10	9L1
PVIP3-11KI	11		45	435/275/258	415/165/10	9L2
PVIP3-15KI	15		60	480/296/262	460/200/10	9L3
PVIP3-22KI	22	3-Phase AC 380V ±10% DC350~750V	45	435/275/258	415/165/10	9L2
PVIP3-30KI	30		60	480/269/262	460/200/10	9L3
PVIP3-45KI	45		90	660/364/295	640/250/10	9L4
PVIP3-55KI	55		110	660/364/295	640/250/10	9L4
PVIP3-75KI	75		150	660/364/295	640/250/10	9L4
PVIP3-93KI	63		176	710/453/295	690/350/10	9L5
PVIP3-110KI	110		210	710/453/295	690/350/10	9L5
PVIP3-132KI	132		253	910/480/335	890//350/10	9L6
PVIP3-160KI	160		304	910/480/335	890//350/10	9L6

Ordering Information

Ref Number	Description
PVIP1-1KI	PV Inverter for Pumps, Single Phase 220V, 1.5KW
PVIP1-2KI	PV Inverter for Pumps, Single Phase 220V, 2.2KW
PVIP1-4KI	PV Inverter for Pumps, Single Phase 220V, 4KW
PVIP1-7KI	PV Inverter for Pumps, Single Phase 220V, 7KW
PVIP1-11KI	PV Inverter for Pumps, Single Phase 220V, 11KW
PVIP3-4KI	PV Inverter for Pumps, Three Phase 380/220V, 4KW
PVIP3-7KI	PV Inverter for Pumps, Three Phase 380/220V, 7KW
PVIP3-11KI	PV Inverter for Pumps, Three Phase 380/220V, 11KW
PVIP3-15KI	PV Inverter for Pumps, Three Phase 380/220V, 15KW
PVIP3-22KI	PV Inverter for Pumps, Three Phase 380/220V, 22KW
PVIP3-30KI	PV Inverter for Pumps, Three Phase 380/220V, 30KW
PVIP3-45KI	PV Inverter for Pumps, Three Phase 380/220V, 45KW
PVIP3-55KI	PV Inverter for Pumps, Three Phase 380/220V, 55KW
PVIP3-75KI	PV Inverter for Pumps, Three Phase 380/220V, 75KW
PVIP3-93KI	PV Inverter for Pumps, Three Phase 380/220V, 93KW
PVIP3-110KI	PV Inverter for Pumps, Three Phase 380/220V, 110KW
PVIP3-132KI	PV Inverter for Pumps, Three Phase 380/220V, 132KW
PVIP3-160KI	PV Inverter for Pumps, Three Phase 380/220V, 160KW



PV Panels

PV Cabling Kits

PV Mounting Kits

PV Charge
Controllers

PV Inverter

PV Controllers



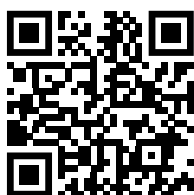
E24 Modular Range Of Products For Building Easy, Flexible & Evolutive Solutions

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers. Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering easy upgrade options.

E24[®]

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ISO 9001:2015



QUALITY STANDARD

