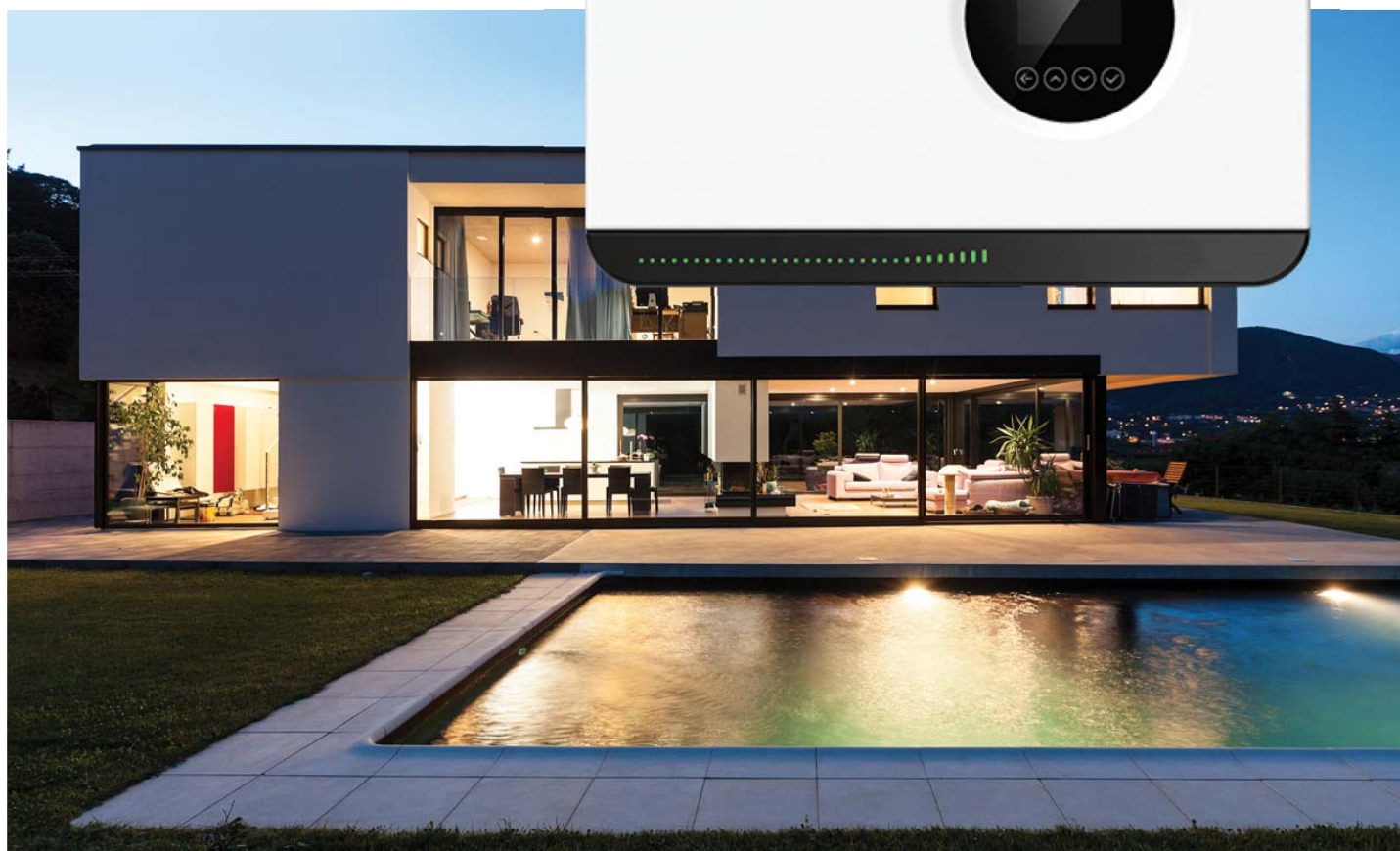
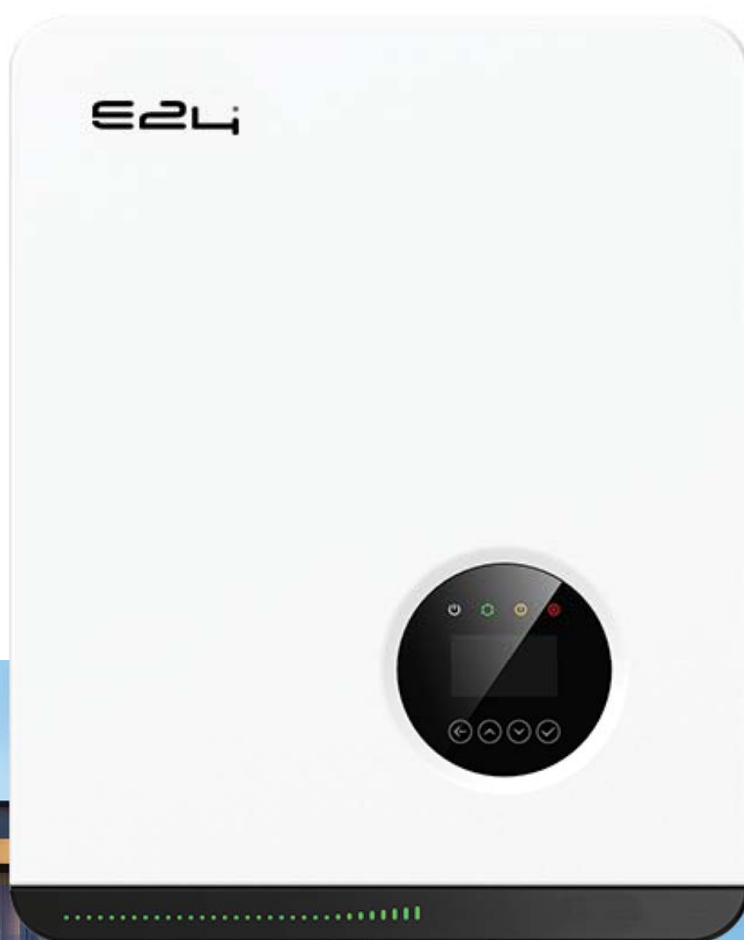


Three Phase Units

- Max. PV voltage up to 800V
- DC/AC ratio up to 2
- Type II DC /AC SPD
- Type III AC Surge Protection Device
- IP65 protection
- Can be operated as part of a large PV on grid system
- Reactive power control
- WiFi / 4G Plug optional
- High efficiency up to 98.6%
- Compact and light



Specifications for three phase units from 3KWac to 12KWac:

MODEL	PVIE1-3KI	PVIE1-4KI	PVIE1-5KI	PVIE1-6KI
Input(DC)				
Max. PV power	4050W	5400W	6750W	8100W
Max. DC voltage	600V	600V	600V	600V
Nominal voltage	380V	380V	380V	380V
Start voltage	100V	100V	100V	100V
MPPT voltage range	80V-560V	80V-560V	80V-560V	80V-560V
Number of MPP tracker	2	2	2	2
Strings per MPP tracker	1	1	1	1
Max. input current per MPPT	15A	15A	15A	15A
Max. short-circuit current per MPPT	18A	18A	18A	18A
Output(AC)				
Nominal AC output power	3000W	4000W	5000W	6000W
Max. AC apparent power	3300VA	4400VA	5500VA	6000VA
Nominal AC voltage	230V L-N or 208/240 L-L			
AC grid frequency range	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz
Max. output current	14.5A	19A	24A	26A
Power factor (cosΦ)	0.8 leading ~ 0.8 lagging			
THDi	<3%			
Efficiency				
Max. efficiency	98.1%	98.3%	98.3%	98.3%
Euro efficiency	97.7%	97.9%	97.9%	97.9%
Protection devices				
DC switch	Yes	Yes	Yes	Yes
Anti-islanding protection	Yes	Yes	Yes	Yes
Output over current	Yes	Yes	Yes	Yes
DC reverse polarity protection	Yes	Yes	Yes	Yes
String fault Detection	Yes	Yes	Yes	Yes
Surge protection	DC Type II;AC Type			
Insulation detection	Yes	Yes	Yes	Yes
AC short circuit protection	Yes	Yes	Yes	Yes
General Specifications				
Dimensions W x H x D (mm)	380X380X150			
Weight(kg)	10	11	11	11
Operating temperature range	-25°C~+60°C			
Cooling type	Natural			
Max. operation altitude	4000m			
Max. operation humidity	0-100%			
AC Output terminal type	Quick connector			
IP class	IP65			
Topology	Transformer less			
Communication	RS485/WIFI/4G			
Display	LCD			
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116; IEC61727;EN50549-1;AS 4777.2;NRS 097;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;TED749; UNE217001;UNE217002;NB/T32004-2018 ; GB/T19964-2012;INMETRO			

*Specifications subject to change without prior notice.

Specifications for three phase units from 15 to 25KWac:

MODEL	PVIE3-15KI	PVIE3-17KI	PVIE3-20KI	PVIE3-25KI
Input(DC)				
Max. remonmmed PV power	22500W	22500W	30000W	36000W
Max. DC voltage	1100V	1100V	1100V	1100V
Nominal voltage	600V	600V	600V	600V
Start voltage	180V	180V	180V	180V
MPPT voltage range	140 V~1,000V	140 V~1,000V	140 V~1,000V	140 V~1,000V
Number of MPP tracker	2	2	2	2
Strings per MPP tracker	2/1	2	2	2
Max. input current per MPPT	30A/15A	30A	30A	30A
Max. short-circuit current per MPPT	50A/25A	50A	50A	50A
Output(AC)				
Nominal AC output power	15000W	17000W	20000W	25000W
Maximum AC output power	16500VA	18700VA	22000VA	27500VA
Nominal AC voltage	400V 3L+N			
AC grid frequency range	50 / 60Hz(±5Hz)			
Maximum output current	25A	27.1A	31.9A	39.7A
Power factor(Φ)	0.8leading-0.8lagging			
THDi	3%			
Efficiency				
Max. efficiency	98.6%	98.6%	98.6%	98.6%
Euro efficiency	98.2%	98.3%	98.3%	98.3%
Protection devices				
DC switch	Yes			
Output over current	Yes			
Anti-islanding protection	Yes			
DC reverse polarity protection	Yes			
String fault Detection	Yes			
AC/DC surge protection	Type II			
Insulation detection	Yes			
AC short circuit protection	Yes			
General Specifications				
Dimensions W x H x D (mm)	380x483x193			
Weight(kg)	<25			
Operating temperature range	-25°C~+60°C			
Cooling type	Fan cooling			
Max. operation altitude	4000m			
Max. operation humidity	0-100%(No condensation)			
AC Output terminal type	Connector			
IP class	IP65			
Topology	Transformer-less			
Communication	RS485/Wifi/4G			
Display	LCD			
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727; EN50549-1;AS 4777.2;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;NB/T32004-2018 ; GB/T19964-2012			

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Specifications for three phase units from 25 to 40KWac:

MODEL	PVIE3-27KI	PVIE3-30KI	PVIE3-40KI
Input(DC)			
Max. recommended PV power	37500W	45000W	60000W
Max. DC voltage	1100V	1100V	1100V
Nominal voltage	600V	600V	600V
Start voltage	180V	180V	180V
MPPT voltage range	200 V~1,000V	200 V~1,000V	200 V~1,000V
Number of MPP tracker	3	3	3
Strings per MPP tracker	2	2	2
Max. input current per MPPT	30A	30A	30A
Max. short-circuit current per MPPT	50A	50A	50A
Output(AC)			
Nominal AC output power	25000W	30000W	40000W
Maximum AC output power	27500VA	33000VA	44000VA
Nominal AC voltage	400V 3L+N		
AC grid frequency range	50 / 60Hz(±5Hz)		
Maximum output current	39.7A	47.7A	63.6A
Power factor(Φ)	0.8leading-0.8lagging		
THDi	3%		
Efficiency			
Max. efficiency	98.6%	98.7%	98.7%
Euro efficiency	98.3%	98.4%	98.4%
Protection devices			
DC switch	Yes		
Output over current	Yes		
Anti-islanding protection	Yes		
DC reverse polarity protection	Yes		
String fault Detection	Yes		
AC/DC surge protection	Type II		
Insulation detection	Yes		
AC short circuit protection	Yes		
General Specifications			
Dimensions W x H x D (mm)	380x483x227		
Weight(kg)	<35		
Operating temperature range	-25°C~ +60°C		
Cooling type	Fan cooling		
Max. operation altitude	4000m		
Max. operation humidity	0-100%(No condensation)		
AC Output terminal type	Connector		
IP class	IP65		
Topology	Transformer-less		
Communication	RS485/Wifi/4G		
Display	LCD		
Certification & Standard	EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1; AS 4777.2;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;NB/T32004-2018 ; GB/T19964-2012		

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