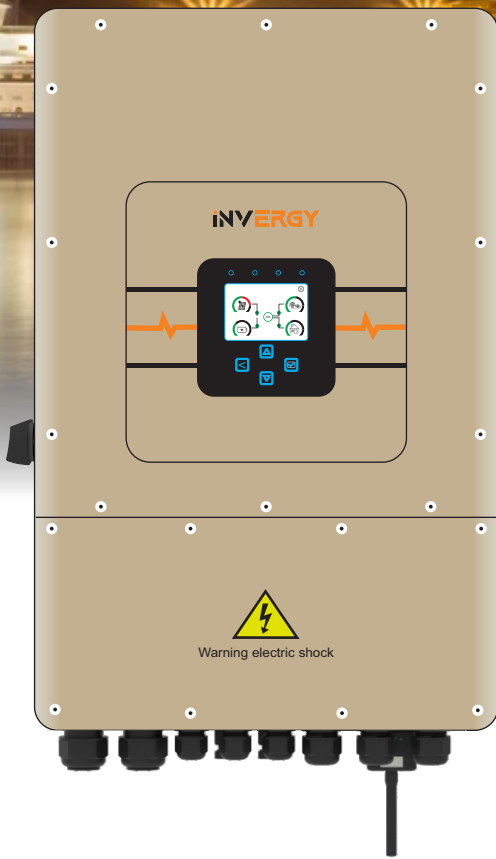


Three Phase Hybrid Inverter

INV EU 8KW / 10KW / 12KW - 48V - 3P





48 48V low voltage battery, transformer isolation design

6 6 time periods for battery charging/discharging

240 Max. charging/discharging current of 240A

16 Frequency droop control, Max.16pcs parallel

 DC couple and AC couple to retrofit existing solar system

 Support storing energy from diesel generator

Model
INV EU 8KW 48V - 3P
INV EU 10KW 48V - 3P
INV EU 12KW 48V - 3P

Battery Input Data			
Battery Type	Lead-acid or Li-Ion		
Battery Voltage Range (V)	40~60		
Max. Charging Current (A)	190	210	240
Max. Discharging Current (A)	190	210	240
Charging Curve	3 Stages / Equalization		
External Temperature Sensor	Yes		
Charging Strategy for Li-Ion Battery	Self-adaption to BMS		
PV String Input Data			
Max. DC Input Power (W)	10400	13000	15600
Rated PV Input Voltage (V)	550 (160~800)		
Start-up Voltage (V)	160		
MPPT Range (V)	200-650		
Full Load DC Voltage Range (V)	350-650		
PV Input Current (A)	13+13	26+13	
Max. PV ISC (A)	17+17	34+17	
Number of MPPT / Strings per MPPT	2/1+1	2/2+1	
AC Output Data			
Rated AC Output and UPS Power (W)	8000	10000	12000
Max. AC Output Power (W)	8800	11000	13200
Peak Power (offgrid)	2 times of rated power, 10 S		
AC Output Rated Current (A)	12.1	15.2	18.2
Max. AC Current (A)	18.2	22.7	27.3
Max. Continuous AC Passthrough (A)	45		
Power Factor	0.8 leading to 0.8 lagging		
Output Frequency and Voltage	50/60Hz; 220/380, 230/400Vac		
Grid Type	Three Phase		
Current Harmonic Distortion	THD<3% (Linear load<1.5%)		
Efficiency			
Max. Efficiency	97.60%		
Euro Efficiency	97.00%		
MPPT Efficiency	99.90%		
Protection			
PV Input Lightning Protection	Integrated		
Anti-islanding Protection	Integrated		
PV String Input Reverse Polarity Protection	Integrated		
Insulation Resistor Detection	Integrated		
Residual Current Monitoring Unit	Integrated		
Output Over Current Protection	Integrated		
Output Shorted Protection	Integrated		
Output Over Voltage Protection	Integrated		
Surge protection	DC Type II / AC Type II		
Certifications and Standards			
Grid Regulation	EN50549, AS4777.2, VDE0126, IEC61727, VDEN4105, G99, NBT32004, CEIO-21, NRS097, NBR16149/16150, RD1699		
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4		
General Data			
Operating Temperature Range (°C)	-25~60°C, >45°C Derating		
Cooling	Smart cooling		
Noise (dB)	<30 dB + - 10%		
Communication with BMS	RS485; CAN		
Weight (kg)	34.5		
Size (mm)	422W×702H×281D		
Protection Degree	IP65		
Installation Style	Wall-mounted		
Warranty	5 years		