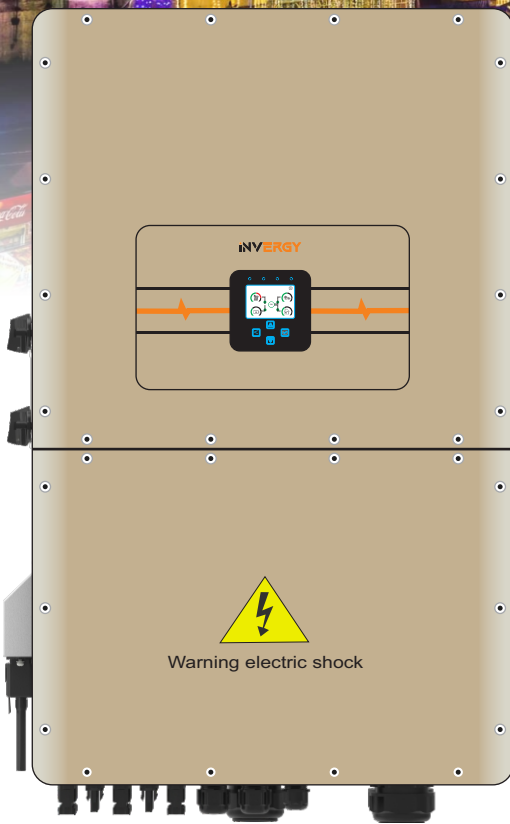




# Three Phase Hybrid Inverter INV (EU)-20/25/30/40/50K (HV)



- 100** 100% unbalanced output, each phase; Max. output up to **50%** rated power
-  DC couple and AC couple to retrofit existing solar system
- 10** Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 100** Max. charging/discharging current of 100A
- H** High voltage battery, higher efficiency
- 6** 6 time periods for battery charging/discharging
-  Support storing energy from diesel generator

## Technical Data

Model	INV (EU)-20K (HV)	INV (EU)-25K (HV)	INV (EU)-30K (HV)	INV (EU)-40K (HV)	INV (EU)-50K (HV)
<b>Battery Input Data</b>					
Battery Type	Li-Ion				
Battery Voltage Range (V)	240~800				
Max. Charging Current (A)	50	50+50			
Max. Discharging Current (A)	50	50+50			
Number of battery input	1	2			
Charging Curve	3 Stages / Equalization				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
<b>PV String Input Data</b>					
Max. DC Input Power (W)	26000	32500	39000	52000	65000
Max. DC Input Voltage (V)	1000				
Start-up Voltage (V)	150				
MPPT Range (V)	200-850				
Min. DC Input Voltage (V)	150				
Full Load DC Voltage Range (V)	360-850	450-850	360-850	360-850	450-850
Rated DC Input Voltage (V)	600				
PV Input Current (A)	36+36		36+36+36		36+36+36+36
Max. PV ISC (A)	55+55		55+55+55		55+55+55+55
Number of MPPT / Strings per MPPT	2/2+2		3/2+2+2		4/2+2+2+2
<b>AC Output Data</b>					
Rated AC Output and UPS Power (W)	20000	25000	30000	40000	50000
Max. AC Output Power (W)	22000	27500	33000	44000	55000
AC Output Rated Current (A)	30.3	38	45.6	60.8	75.8
Max. AC Current (A)	45.5	50	60	70	83.3
Max. Continuous AC Passthrough (A)	150				
Peak Power (off grid)	1.5 time of rated power, 10 S				
Generator input/Smart load /AC couple current (A)	30.3 / *150 / 30.3	38 / *150 / 38	45.6 / *150 / 45.6	60.8 / *150 / 60.8	75.8 / *150 / 75.8
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac				
Grid Type	Three Phase				
DC injection current (mA)	<0.5%1n				
<b>Efficiency</b>					
Max. Efficiency	97.60%				
Euro Efficiency	97.00%				
MPPT Efficiency	99.90%				
<b>Protection</b>					
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Surge protection				
<b>Certifications and Standards</b>					
Grid Regulation	EN50549, AS4777.2, VDE0126, IEC61727, VDEN4105, G99, NBT32004, CEI0-21, NRS097, NBR16149/16150, RD1699				
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4				
<b>General Data</b>					
Operating Temperature Range (°C)	-40~60°C, >45°C derating				
Cooling	Smart cooling				
Noise (dB)	<45 dB				
Communication with BMS	RS485; CAN				
Weight (kg)	60				
Size (mm)	560.5W×837H×319D				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 years				