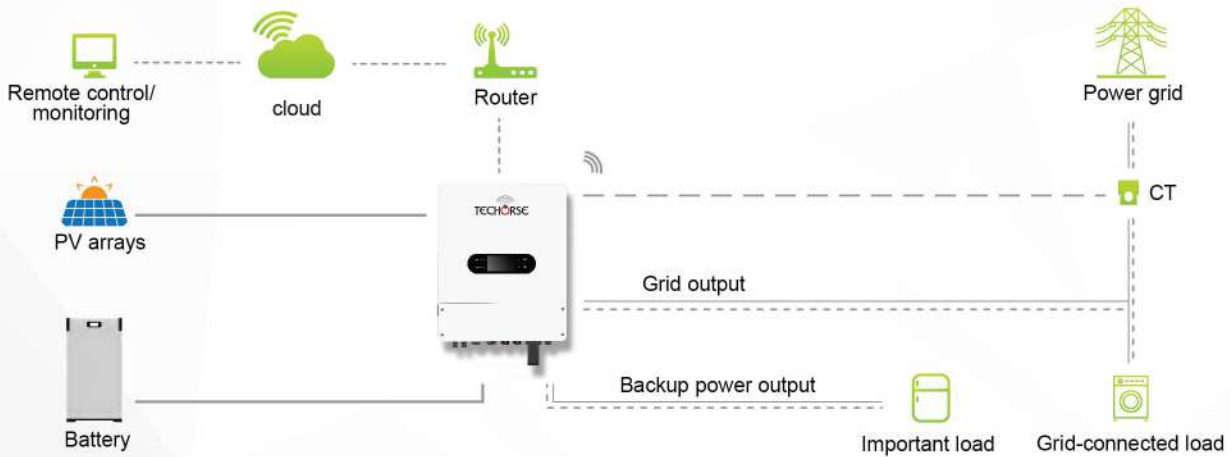


IP66 6KW
HYBRID SOLAR INVERTER

IP66



Smart Energy Solutions



Dual MPPT



**1000+
Test**



Ingress Protection



**IV
Scan**



**Aluminum
case**



**Digital DSP
Control**

FEATURES

MODEL		INV-0040
Battery input data		
Battery Type	Lithium or Lead acid battery	
Rated battery voltage(V)	48	
Maximum charging voltage(V)	<60(Configurable)	
Maximum charge/discharge current(A)	120	
PV input data		
Maximum DC input power(kw)	12	
Maximum DC input voltage(V)	500	
MPPT Operating voltage range(V)	150-450	
Starting voltage(V)	125	
Maximum input current(A)	18/18	
MPPT number	2	
AC output parameters (On-Grid)		
Maximum output apparent power (KW)	6	
Rated output voltage(V)	220/230	
Rated output frequency(Hz)	50/60HZ	
Max output current(A)	27	
Output power factor	1(0.8 leading~0.8 lagging)	
AC output parameters(Off-Grid)		
Rated output apparent power(VA)	6000	
Maximum output apparent power(VA)	>200%, 15sec	
Rated output voltage(V)	230(+2%)	
Rated output frequency(Hz)	50/60(+0.2%)	
Max output current(A)	27	
Efficiency		
Max efficiency(PV)	98%	
Max efficiency(cell)	94.5%	
Europe efficiency	97.5%	
Protection		
PV input reverse polarity protection	YES	
PV insulation resistance detection	YES	
Residual current detection	YES	
Output over current protection	YES	
Output short circuit protection	YES	
Output over voltage protection	YES	
Basic data		
Operation temperature (°C)	-25-60(>45 DERATE)	
Storage temperature (°C)	-30~65	
Relative humidity	0~95%	
Working altitude (m)	<4000(>2000m derate)	
Cooling	Air Cooling	
Noise (db)	<55	
Weight (Kg)	20	
Size (width x height x depth) (mm)	427 * 554 * 198	
Protection class	IP66	
Topology	HF isolation (Battery side)	