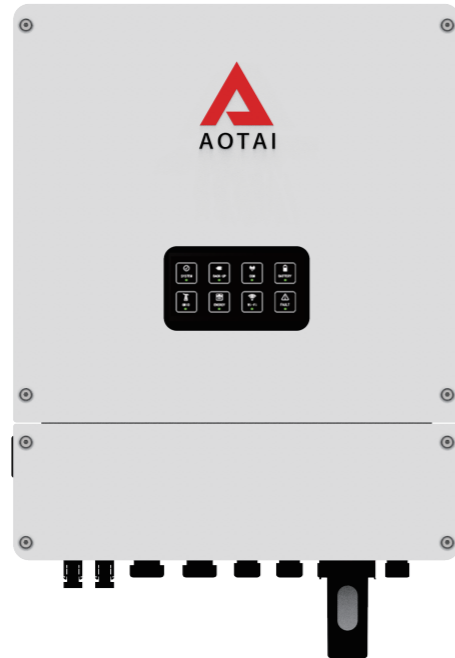
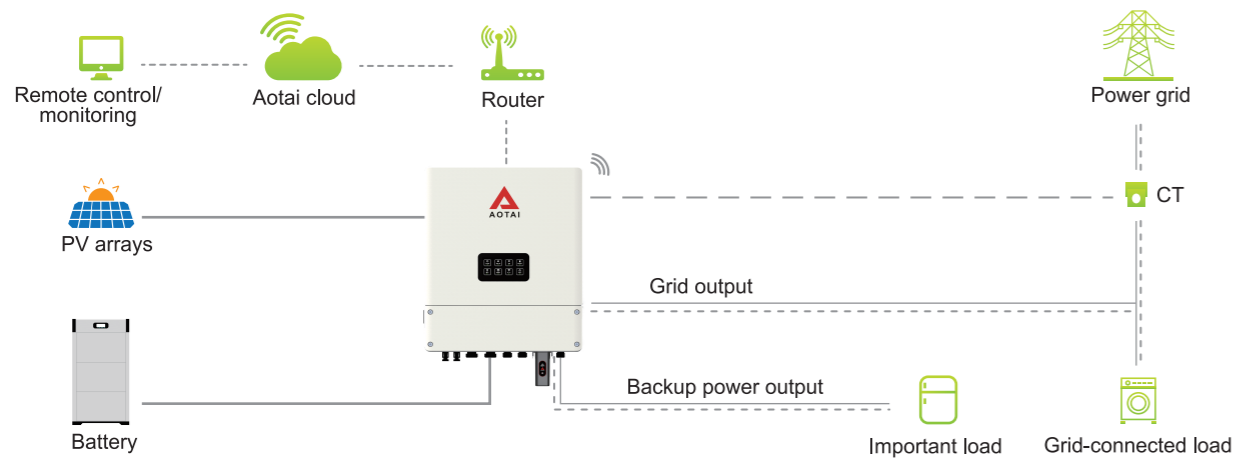


Hybrid Inverter

AEP-3KS/3K6S/4KS/4K6S/5KS/6KS48P



Smart Energy Solutions



TECHNICAL DATA

Modle	AEP-3KS48P	AEP-3K6S48P	AEP-4KS48P	AEP-4K6S48P	AEP-5KS48P	AEP-6KS48P
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 voltage(V)	500					
MPPT Operating voltage range(V)	100~500					
Starting voltage(V)	125					
Maximum input current(A)	18	18/18	18/18	18/18	18/18	18/18
MPPT number	1	2	2	2	2	2
AC output parameters (On-Grid)						
Maximum output apparent power (W)	3300	3960	4400	5060	5500	6000
Rated output voltage(V)	230					
Rated output frequency(Hz)	50/60HZ					
Max output current(A)	15	18	19	22	25	27
Output power factor	~1 (-0.8 leading~+0.8 lagging)					
AC output parameters(Off-Grid)						
Rated output apparent power(VA)	3000	3600	4000	4600	5000	6000
Maximum output apparent power(VA)	6000,15sec	7200,15sec	8000,15sec	9200,15sec	10000,15sec	10000,15sec
Rated output voltage(V)	230(±2%)					
Rated output frequency(Hz)	50/60(±0.2%)					
Max output current(A)	15	18	19	22	25	27
Efficiency						
Max efficiency(PV)	97.6%					
Max efficiency(cell)	94.5%					
Europe efficiency	97%					
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					
Storage temperature (°C)	-30~65					
Relative humidity	0~95%					
Working altitude (m)	≤4000					
Cooling	Air cooling					
Noise (db)	<25					
Weight (Kg)	19					
Size (width x height x depth) (mm)	424*555*197					
Protection class	IP66					
Topology	HF isolation (Battery side)					