

# Datasheet



**Model:**

**EP-10-12KATP3-X2**

## Loại Hybrid Inverter

Technical Data	5KS48P3	6KS48P3	7KS48P3	8KS48P3	10KS48P3	12KS48P3
<b>PV Input</b>						
Vmax PV (Vdc) (absolute Max.)	1000V					
Isc PV (absolute Max.) (A)	22.5A	22.5A	22.5A	22.5 A/ 22.5A	45A/ 22.5A	45A/ 22.5A
Max. PV input current / strings (A)	18A	18A	18A	18A/18A	36A/18A	36A/18A
Number MPP trackers	1			2		
MPPT Range (Vdc)	200~800					
Vdc range @ full power (Vdc)	350~800					
P pv Max(kW)	10	12	14	16	20	24
<b>Battery ( charge/discharge)</b>						
Battery type	Li-ion/Lead-acid					
Battery Norma Voltage (Range) (Vdc)	48V(40-60V)					
Max charge/discharge Current(A)	120	125	150	190	210	250
Max charge/discharge Power(W)	5000	6000	7000	8000	10000	12000
<b>AC Grid (input and output)</b>						
Normal AC Voltage (VAC)	380/400(3W+N+PE)					
Frequency (Hz)	50/60					
Max. cont output current (A)	8.3	10	11.6	13.3	16.7	20

Max. cont output Power (W)	5000	6000	7000	8000	10000	12000
Max. cont. Apparent Power (VA)	5500	6600	7700	8800	11000	13200
Power factor(adjustable)	0.8 leading to 0.8 lagging					
<b>AC Load output (stand alone)</b>						
Normal Voltage (VAC)	380/400(3W+N+PE)					
Frequency (Hz)	50/60					
Protection class	IIP66 (outdoor)					
Nominal Current(A)	8.3	10	11.6	13.3	16.7	20
Max. cont. Power (W)	5000	6000	7000	8000	10000	12000
Overload Capability (off grid)	>200% for 15 sec					
Output Power Factor(off grid)	0.8 leading to 0.8 lagging					
Output Current Harmonic Distortion	THD<3%(Nonlinear load); THD<1.5%(Linear load)					
<b>Other</b>						
Ingress protection (IP)	IP66					
Protective class	Class I					
Temperature (°C)	-25°C~+60°C					
Inverter Isolation	Non-isolated PV- AC					
	High frequency isolated(Battery Side)					
Overvoltage category	OVC III (AC Main), OVC II (PV)					
Dimensions,D*W*H(mm)	475*683*256					
Weight (kg)	38					
Altitude	2000m					

