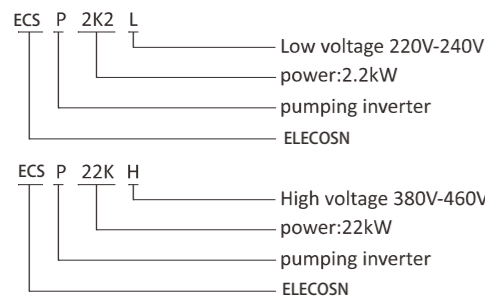


Solar Pumping Inverter- Three Phase

Product Features

- ◆ Drive power-matched three-phase AC pump
- ◆ Adopt advanced IGBT power module
- ◆ High conversion efficiency, low temperature rise, low noise, long lifespan
- ◆ Advanced MPPT technology, efficiency > 99%
- ◆ Fully automatic operation, it can store operation data for 10 years
- ◆ Perfect system protection, high reliability
- ◆ New design of anodized aluminum case
- ◆ LCD display
- ◆ Interface: RS485/GPRS
- ◆ Modular design, easy to install, operate, maintain

Definition of Model



Technical Parameters

Model	ECS1K1L	ECS1K5L	ECS2K2L	ECS3KL	ECS3K7L	ECS4KL	ECS2K2H	ECS3KH	ECS3K7H	ECS4KH	ECS5K5H	ECS7K5H
d.c. Input												
d.c. Max. Input Voltage	440Vdc					750Vdc		880Vdc				
Recommended MPPT Voltage	150~400Vdc			150~250Vdc		280~600Vdc		460~850Vdc				
d.c. Max. Input Current	8A	10A	14.6A	21A	24.6A	15A	5A	6.9A	9A	9A	12A	16.3A
Max. MPPT Efficiency	99%											
Number of String	1	1	2	2	2	2	2	2	2	2	2	3
a.c. Output												
Max. Motor Output Power	1.1kW	1.5kW	2.2kW	3kW	3.7kW	4kW	2.2kW	3kW	3.7kW	4kW	5.5kW	7.5kW
Rated Output Voltage	220~240Vac, three phase						380~460Vac, three phase					
Output Frequency Range	0~50/60Hz											
Rated Output Current	5.5A	7A	11A	14A	17A	20A	6A	7A	9A	10A	13A	18A
Other Parameters												
Weight	9.5kg	9.5kg	9.5kg	14.5kg	14.5kg	13.9kg	13.9kg	13.9kg	13.9kg	13.9kg	13.9kg	13.9kg
Dimension(L*W*H)	350*278*179mm			420*310*211mm			420*310*229mm					
Max. Efficiency	97%	97%	97%	97%	97%	97%	96%	97%	98%	98%	98%	98%
Protection Class	I											
Protection Level	IP65											
Operating Temperature	-25 C~+60 C; above 60 C need derate operating											
Cooling Way	Natural Cooling											
Display	LCD											
Communication	RS485/GPRS											
Altitude	3000m; above 3000m need derate operating											
Noise Emission	< 50dB											
Compliance	EN50178; IEC/EN62109-1; IEC 61800											



Technical Parameters

Model	ECS11KH	ECS15KH	ECS18K5H	ECS22KH	ECS30KH	ECS37KH	ECS45KH	ECS55KH
d.c. Input								
d.c. Max. Input Voltage	880Vdc							
Recommended MPPT Voltage	460~850Vdc							
d.c. Max. Input Current	24.4A	33.3A	41.1A	49A	67A	82A	100A	122A
Max. MPPT Efficiency	99%							
Number of String	3	3	3	1	1	1	1	1
a.c. Output								
Max. Motor Output Power	11kW	15kW	18.5kW	22kW	30kW	37kW	45kW	55kW
Rated Output Voltage	380~460Vac, three phase							
Output Frequency Range	0~50/60Hz							
Rated Output Current	21A	29A	36A	42A	57A	71A	86A	104A
Other Parameters								
Weight	19.9kg	19.9kg	19.9kg	31.5kg	31.5kg	31.5kg	32.5kg	32.5kg
Dimension(L*W*H)	360*500*176mm			460*580*251mm				
Max. Efficiency	98%							
Protection Class	I							
Protection Level	IP65							
Operating Temperature	-25 C~+60 C; above 60 C need derate operating							
Cooling Way	Force Cooling							
Display	LCD							
Communication	RS485/GPRS							
Altitude	3000m; above 3000m need derate operating							
Noise Emission	< 50dB							
Compliance	EN50178; IEC/EN62109-1; IEC 61800							

Solar Pumping Inverter- Three Phase



Technical Parameters

Model	ECS75KH	ECS90KH	ECS110KH	ECS132KH
d.c. Input				
d.c. Max. Input Voltage	880Vdc			
Recommended MPPT Voltage	460~850Vdc			
d.c. Max. Input Current	166A	205A	251A	287A
Max. MPPT Efficiency	99%			
Number of String	2	2	2	2
a.c. Output				
Max. Motor Output Power	75kW	90kW	110kW	132kW
Rated Output Voltage	380~460Vac,three phase			
Output Frequency Range	0~50/60Hz			
Rated Output Current	142A	171A	209A	251A
Other Parameters				
Weight	190kg	220kg	220kg	220kg
Dimension(L*W*H)	654*1210*465mm			
Max. Efficiency	98%			
Protection Class	I			
Protection Level	IP21			
Operating Temperature	-25℃~+50℃; above 50℃ need derate operating			
Cooling Way	Force Cooling			
Display	LCD			
Communication	RS485/GPRS			
Altitude	3000m;above 3000m need derate operating			
Noise Emission	< 70dB			
Compliance	EN50178;IEC/EN62109-1;IEC 61800			

Solar Pumping Inverter- Single Phase



Technical Parameters

Model	ECS750LS	ECS1K1LS	ECS1K5LS	ECS2K2LS
d.c. Input				
d.c. Max. Input Voltage	440Vdc			
Recommended MPPT Voltage	110~400V	120~400V	150~400V	150~400V
Max. MPPT Efficiency	>99%			
Number of String	2			
a.c. Output				
Max. Applicable Motor Output Power	750W	1100W	1500W	2200W
Rated Output Voltage	220/230/240Vac			
Output Frequency Range	0~50/60Hz			
Max. Output Current	6A	9A	11A	15A
System				
Protection Level	IP65			
Protection Class	I			
Operating Temperature	-25~60°C(above 60°C need derate operating)			
Cooling Way	Nature Cooling			
Display	LCD			
Communication	RS485/GPRS(optional)			
Altitude	3000m (above 3000m need derate operating)			
Noise Emission	<50dB			
Compliance	EN 50178; IEC/EN 62109-1 ; IEC 61800-5-1			
Dimension (L/W/H) (mm)	350/278/179			420/310/211
Weight(Kg)	9.5	9.5	9.5	14.5
Warranty	3 years			
Grid Input	Include (manual switch; external)			