

Technical Parameters (CHS 1600TL/2200TL/3000TL)

Model	CHS1600TL	CHS2200TL	CHS3000TL
DC Input			
Maximum DC power	1700W	2350W	3150W
Maximum DC voltage	550V	550V	550V
MPPT voltage range	100...500V	100...500V	100...500V
Full load MPPT voltage range	120...500V	170...500V	210...500V
Maximum input current / String	12A/12A	12A/12A	15A/15A
MPPT tracking number / access string number	1/1	1/1	1/1
AC output			
Rated output power	1600W	2200W	3000W
Maximum AC apparent power	1600KVA	2200KVA	3000KVA
Maximum output current	7.8A	11A	14.5A
AC rated voltage	220V/230V/400V		
AC power grid frequency	50/60Hz		
Power factor, adjustable	>0.99		
Harmonic distortion	<3%		
Efficiency			
Maximum conversion efficiency	97.7%	97.8%	97.8%
European conversion efficiency	97.0%	97.1%	97.6%
MPPT efficiency	99.9%	99.9%	99.9%
General data			
Size (W*H*D)	300/420/195mm		
Weight	12kg		
Working Temperature Range	-25°C...+60°C		
IP Grade	IP65		
Heat dissipation method	Natural cooling		
The internal friction of the night	<0.5W		
Topological structure	Non transformer type		
Display	LCD		
Humidity	0-95%, Non-condensing		
Communication interface	RS484/WIFI(Optional)		
Warranty : 5/10/20 years	Free / optional / optional		
Certification and licensing			
CQC, VDE-AR-N4105, VDE0126-1-1, G59/2, G83/1-1, AS4777,IEC61727,IEC62116 .			

Technical Parameters (CHS 3600TL/4200TL/4600TL/5200)

Model	CHS3600TL	CHS4200TL	CHS4600TL	CHS5600TL
DC Input				
Maximum DC power	3800W	4400W	4800W	5200W
Maximum DC voltage	550V	550V	550V	550V
MPPT voltage range	100...500V	100...500V	100...500V	100...500V
Full load MPPT voltage range	120...500V	150...500V	160...500V	175...500V
Maximum input current / String	15A/15A	15A/15A	15A/15A	15A/15A
MPPT tracking number / access string number	2/1	2/1	2/1	2/1
AC output				
Rated output power	3600W	4200W	4600W	5000W
Maximum AC apparent power	3600KVA	3600KVA	3600KVA	3600KVA
Maximum output current	18A	21A	22A	24A
AC rated voltage	220V/230V/400V			
AC power grid frequency	50/60Hz			
Power factor, adjustable	0.9 lead lag of 0.9			
Harmonic distortion	<3%			
Efficiency				
Maximum conversion efficiency	98.0%	98.1%	98.1%	98.1%
European conversion efficiency	97.5%	97.6%	97.6%	97.7%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%
General data				
Size (W*H*D)	300/420/195mm			
Weight	12kg			
Operating temperature range	-25°C...+60°C			
IP Grade	IP65			
Heat dissipation method	Natural cooling			
The internal friction of the night	<0.5W			
Topological structure	Non transformer type			
Display	LCD			
Humidity	0-95%, Non-condensing			
Communication interface	RS484/WIFI (optional)			
Warranty : 5/10/20 years	Free / optional / optional			
Certification and licensing				
CQC, VDE-AR-N4105, VDE0126-1-1, G59/2, G83/1-1, AS4777,IEC61727,IEC62116 .				