

TECHNICAL PARAMETERS

Input parameters (DC)	IFT IS-600-1T	IFT IS-800-2T	IFT IS-1000-2T	IFT IS-1600-4T	IFT IS-2000-4T
Recommended Solar Panel Input Power (W)	400~670	400~670	400~670	400~670	400~670
Number of DC input connections	MC4×1	MC4×2	MC4×2	MC4×4	MC4×4
Maximum Input Voltage (V)	60	60	60	60	60
DC voltage input range (V)	16~60	16~60	16~60	16~60	16~60
Starting voltage (V)	22	22	22	22	22
Maximum power point tracking voltage range (V)	22~55	22~55	22~55	22~55	22~55
MPPT tracking accuracy	> 99.5%	> 99.5%	> 99.5%	> 99.5%	> 99.5%
Maximum input DC current (A)	18×1	14×2	16×2	14×4	16×4
Output parameters (AC)					
Rated output power (VA)	600	800	1000	1600	2000
Rated output voltage (V)	230	230	230	230	230
AC Voltage Range (V)	190~270	190~270	190~270	190~270	190~270
Rated output current (A)	2.6	3.47	4.34	6.95	8.69
Rated output frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Output frequency range (Hz)	47.5-50.5/58.9-61.9	47.5-50.5/58.9-61.9	47.5-50.5/58.9-61.9	47.5-50.5/58.9-61.9	47.5-50.5/58.9-61.9
Total Harmonic Distortion	< 5%	< 5%	< 5%	< 5%	< 5%
Output power factor	> 0.99	> 0.99	> 0.99	> 0.99	> 0.99
Maximum conversion efficiency	96%	96%	96%	96%	96%
Protective function					
Over-frequency/under-frequency protection	Yes	Yes	Yes	Yes	Yes
Overvoltage/undervoltage protection	Yes	Yes	Yes	Yes	Yes
Anti-islanding effect protection	Yes	Yes	Yes	Yes	Yes
Overcurrent protection	Yes	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes	Yes
Overtemperature protection	Yes	Yes	Yes	Yes	Yes
Protection class	IP67	IP67	IP67	IP67	IP67
Operating Temperature Range (°C)	-40~+65	-40~+65	-40~+65	-40~+65	-40~+65
Indicator light	Working status light+ Wi-Fi signal light	Working status light+ Wi-Fi signal light	Working status light+ Wi-Fi signal light	Working status light+ Wi-Fi signal light	Working status light+ Wi-Fi signal light
Communication mode	Wi-Fi / 2.4G	Wi-Fi/2.4G	Wi-Fi/2.4G	Wi-Fi/2.4G	Wi-Fi/2.4G
Cooling method	Natural Cooling (Fanless)	Natural Cooling (Fanless)	Natural Cooling (Fanless)	Natural Cooling (Fanless)	Natural Cooling (Fanless)
Working environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Weights	1.9	2.52	2.52	5.2	5.2
Size (L×W×H) mm	181×193×28.5	227×195.5×42	227×195.5×42	342×225.4×50	342×225.4×50
Standards-compliant	EN IEC 62109-1, EN IEC62109-2 EN IEC 61000-6-2/-4, EN IEC 61000-3-2/-3	EN IEC 62109-1, EN IEC 62109-2 EN IEC 61000-6-2/-4 EN IEC 61000-3-2/-3 VDE-AR-N 4105:2018, VDE V 0124-100:2020	EN IEC 62109-1, EN IEC62109-2 EN IEC 61000-6-2/-4 EN IEC 61000-3-2/-3 VDE-AR-N 4105:2018, VDE V 0124-100:2020	EN IEC 62109-1, EN IEC62109-2 EN IEC 61000-6-2/-4 EN IEC 61000-3-2/-3 INMETRO 140&515	EN IEC 62109-1, EN IEC 62109-2 EN IEC 61000-6-2/-4 EN IEC 61000-3-2/-3 INMETRO 140&515