

25 KW - 30 KW



**SWAT
SOLAR**

SWAT AH PTE LTD.

111, North Bridge Road, #16-04, Peninsula Plaza,
Singapore – 179098 | Email: Info@swatsolar.org



DATASHEET

Model	SWAT - 25K	SWAT - 30K	
Energy Source	PV		
Input Side(DC)			
Max. DC input power(kW)	30	36	
Max. DC input voltage(V)	1000		
Start- up voltage (V)	350		
MPPT voltage range(V)	200-800		
Max. input current per MPPT(A/B/C/D)	18A+18A+18A+18A		
MPPT number/ Strings per MPPT input	4/ A:2; B:2; C:2; D:2		
Output Side (AC)			
Rated output power(kW)	25	30	
Max. apparent output power(kVA)	27.5	33	
Max. output power	27.5	33	
Rated grid voltage(V _{LL})	400		
Grid voltage range(V)	304-460		
Rated grid frequency(Hz)	50/ 60		
Operation phase	3/ N/ PE		
Rated grid output current(A)	36.1	43.3	
Max. output current (A)	41.7	50	
Power Factor (at rated output power)	<0.8 leading.... 0.8 lagging		
THDi (at rated output power)	< 3%		
DC injection current (mA)	< 0.5%I _n		
Grid frequency range (Hz)	47-52 or 57-62		
Efficiency			
Max. efficiency	98.6%	98.6%	
EU efficiency	98.3%/98.3%	98.3%/98.3%	
MPPT efficiency	>99.9%		
Protection			
DC reverse- polarity protection	Yes		
Short circuit protection	Yes		
Output over current protection	Yes		
Output over voltage protection	Yes		
Insulation resistance monitoring	Yes		
Residual current detection	Yes		
Surge protection	Yes		
Islanding protection	Yes		
Temperature protection	Yes		
Integrated DC switch	Yes		
Intergrated DC switch	Optional		
General Data			
Dimensions (mm)	530W*700H*365.5D		
Weight(kg)	58.2		
Topology	Transformer less		
Self consumption (night)	<1W(Night)		
Operationg ambient temperature range	-25-60'C		
Ingress protection	IP65		
Noise emmission (typical)	<30 dBA		
Cooling concept	Natural convection		
Max. operation altitude	4000m		
Designed lifetime	>20 years		
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727		
Relative humidity	0-100%		
Safety/ EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3		
Features			
DC connection	MC-4 mateable		
AC connection	Terminal connectors		