REConvert

A SOLARWATT Company

InREC-36

White-label Multipurpose Inverter

Preliminary Specification

DC input data (Battery)		InREC - 36
Rated DC voltage	[V]	300-550
Operating range	[V]	120...600V
Max. input current	[A]	3x ±33 (1x ±100)
Max. short circuit current Isc max	[A]	3x ±40 (1x ±120)
Number of Battery inputs	#	3 (or 1)

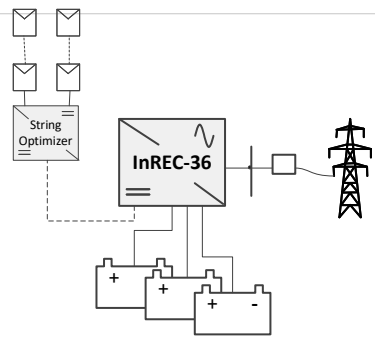
DC input data (PV)		InREC - 36
Optionally; connected via AMPT String Optimizer(s):		
- V975-20: 20 kW, max two per input, max 4 in total		
- V975-32: 31 kW, max one per input, max 2 in total		
Rated DC voltage	[V]	650-975
Number of PV inputs	#	2
Max. input current	[A]	42

AC output data		
Rated output	[VA]	30 kVA
Max. power	[VA]	36 kVA
Line voltage	[V]	3x 400
Voltage range (Ph-Ph)	[%]	-20/ +15%
Rated frequency	[Hz]	50
Rated current	[A]	50
Max. current	[A]	55
Reactive power / cos phi	[-]	-0.8 cap / ind 0.8
Max. total harmonic distortion (THD)	[%]	3%
Number of grid phases	#	3+N

General data		
Max. efficiency	[%]	97,5
Operation mode		grid connected, off-grid
DC parallel operation		yes
AC parallel operation		yes
Communication		CAN, RS485
Standby consumption		<1W
Protective functions		UV/OV/UF/OF/OT isolation resistance / residual current
Circuitry topology	TL	3xDCDC+DCAC

Mechanical data	
Display	n.a.
Control units	optional: Ethernet, Bluetooth, WLAN
Interfaces	RJ45 ip67 + cap
Fault signalling relay	n.a.
DC connection	MC-4 10mm2
AC connection	Amphenol C016 plug
Ambient temperature	-25 °C / +60 °C
Humidity	0 – 95 %
Max. installation elevation (above MSL)	2 000 m
Cooling	temperature controlled fan
Protection class	IP65
Noise emission	< 61 db (A)
H x W x D	576x490x190 mm
Weight	36 kg

Certifications	
Safety	EN 62109-1/-2, EN 62477-1,
	EN 61000-6-1/-2, CISPR 11,
	EN 55011
Grid Code rules	VDE4105, VDE0124,
	VDE4110, TOR
	CEI021, C10/11, RfG
	EN50549



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