

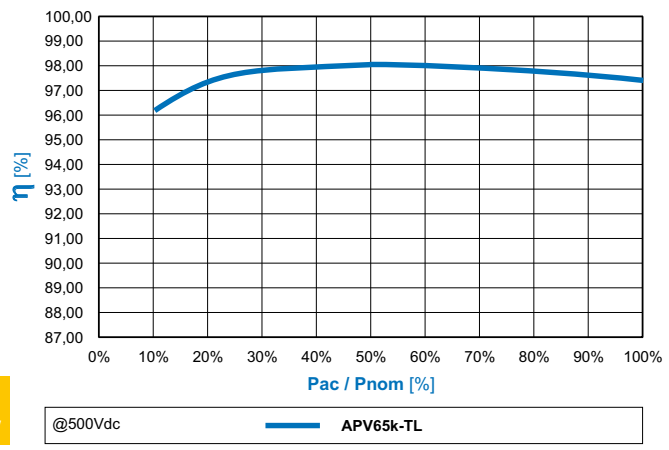
Sizes APV65k-TL • Dimensions and weight - Technical data



APV-65k-TL
(without transformer)

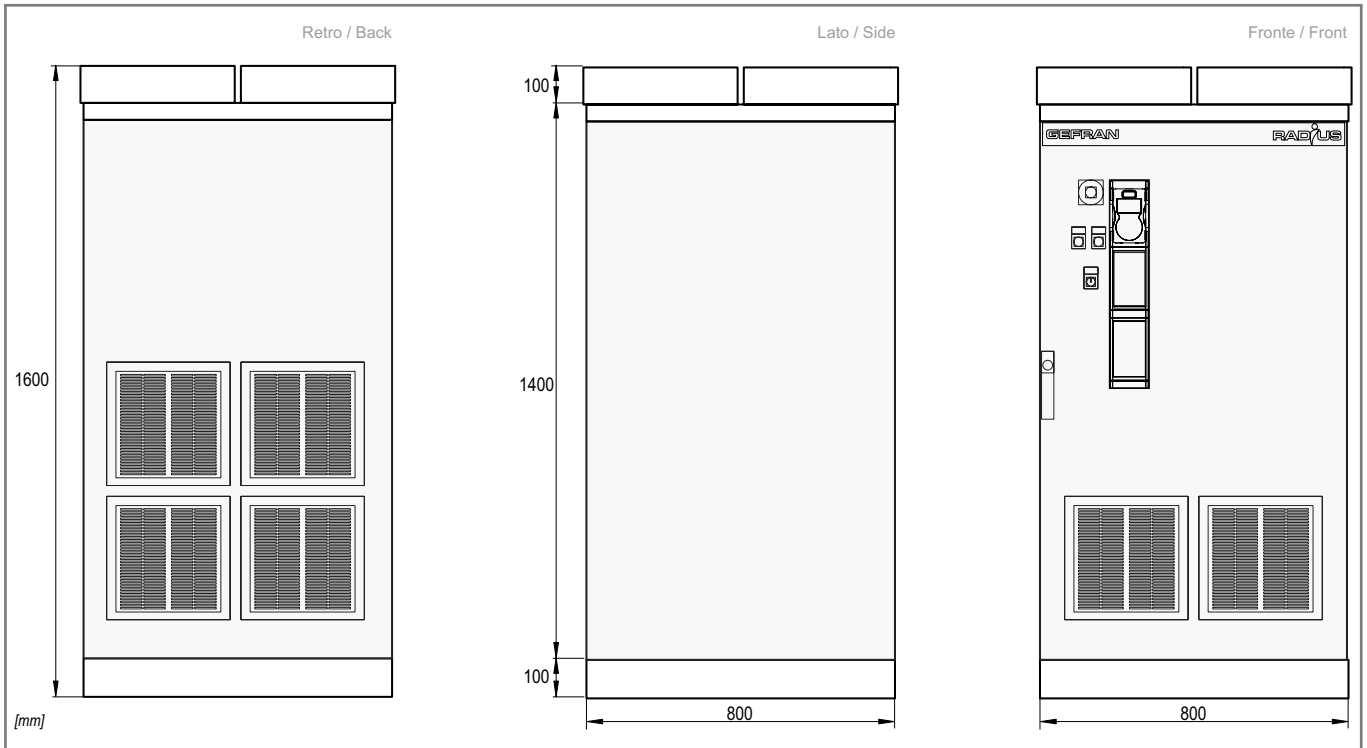
Rated power (AC side) **65 kW**

Efficiency curve



5 years warranty

Dimensions and weight



Model		APV65k-TL
Dimensions: Width x Height x Depth	mm [inches]	800 x 1800 x 800 [31.5 x 70.87 x 31.5]
Weight	kg [lbs]	330 [728]

Technical data

Central Inverter - Model			APV65k-TL	APV65k-TL-E	APV65k-TL-RP	APV65k-TL-SA
DC INPUT						
MPPT voltage range	U _{DC}	[V]	488...850	483...850	483...850	485...850
Minimum operating voltage	U _{DC min}	[V]	450	450	450	450
Maximum voltage allowed	U _{DC max}	[V]	1000 (2)	1000 (2)	1000 (2)	1000 (1)
Maximum current allowed	I _{DC max}	[A]	135	137	137	137
AC OUTPUT						
Rated power		[kW]	65	65	65 (1)	65
Rated Output voltage	U _{AC nom}	[V]	320	290	290	320
Maximum current	I _{AC max}	[A]	118	130	130	122.4
Short circuit current (=1.5*I _n)	I _{SC}	[A]	177	195	195	184
Grid frequency	f _{AC}	[Hz]	50	50	50	50
Harmonic distortion	THD grid	[%]	≤ 3	≤ 3	≤ 3	≤ 3
Power factor at rated power	cosphi		0.99	0.99	0.99	0.99
Adjustable power factor	cosphi		from -0.9 to +0.9	from -0.9 to +0.9	from -0.9 to +0.9	from -0.9 to +0.9
EFFICIENCY RATING						
Maximum efficiency (2)		[%]	98.0	98.0	98.0	98.0
European efficiency (Euro-ETA) (2)		[%]	97.4	97.4	97.4	97.4
GENERAL DATA						
Protection class			IP30			
Power switch on AC side			no			
Power switch on DC side			yes			
Reverse polarity protection diodes on DC side			yes			
Ground fault monitoring			optional			
Overcurrent protection	AC side		yes			
	DC side		no			
Overvoltage protection	AC side		no			
	DC side		optional			
Remote plant monitoring			optional			
Ground kit			optional (1)			
Ambient temperature range (without power derating)		[°C]	from -10 °C to + 50 °C			
Requested air flow (input)		[m ³ /h]	2000			
Cooling			Thermostatically-controlled			
Relative humidity of air		[%]	from 5% to 85% without condensation			
Maximum altitude		[m]	1000 m (2000 m with derating)			
Topology			Without transformer			
Certification			CE; CEI 0-16 ed. III	CE; VDE V 0126-1-1; RD 1663; G59/1; G59/2; C10/11; AS 4777.2; AS 4777.3.	CE; BDEW; RD 1565/2010, P.O. 12.3.	CE; South African Grid code

(1) For string configurations, maximum recommended V_{DC} voltage 965V. If using the ground kit, maximum V_{DC} = 900V.(2) Efficiency refers to values calculated at 500 V_{DC} (at 25°C), excluding auxiliary power supply.