

# Preliminary Technical Data of Inverter TruConvert AC 3025



Electrical data - DC Link connection	To be connected to TruConvert DC 1008
DC link voltage (settable)	850 V $\pm$ 10 %
Max. DC-Link current	33 A

Electrical data – Grid connection	
Nominal AC power	25 kVA
Max. THDi (at nominal AC power)	< 3%
Nominal grid voltage, 3-phase + N	400/480V $\pm$ 10%
Nominal grid frequency	50/60Hz
Power Factor at nominal power	0.99
Max. inrush-current	< nominal current
Mains topology	TN-S

\*in preparation

General Data	
Max. efficiency	98 %
CEC efficiency (DC-Link 800V, 400V, 50Hz )	97,3 %
Internal consumption	< 75 W
Response time (step load 0 – 100 %)	< 10 ms
Sense connection mains	Phoenix PCB plug connector - MC 1,5 / 5-STF-5,08
Contactors	Enable

Interface	
Power connection DC link	Phoenix Connectors
Power connections AC grid	M6 bolts
Communication interfaces	2 x RS485 (RJ45)
Aux supply	24V +/-10%, 3A

Environment	
Operation temperature	-5°C – 40°C* (23°F– 105°F)
Storage, transportation temperature	-20°C – 80°C (-5°F– 175°F)
Humidity	5 % - 90 % (no condensation)
Cooling	Forced air, controlled
Noise emission	< 70dB (typical)
Altitude	Up to 2000 m (6562 ft) above sea level

\*Derating above 30°C (86°F) ambient temperature

Dimensions, protection class, weight	
Dimensions w x h x d	19", 3U, 470mm (18.5")
Degree of protection	IP 20
Weight	21 kg (46 lbs)

Standards	
EU directives (CE)	
Low voltage directive	2014/35/EU
Electromagnetic compatibility directive	2014/30/EU
EN62040-2	2006/AC : 2006 class 3
EN 62109-1	2010
EN 62109-2	2011

