

# ON-650

## Power by Perkins

# 2806A-E18TAG2

Prime power: 520KW/650KVA

Standby power: 560KW/700KVA

## GENERATING POWER SOLUTIONS

### Increased availability for new operations

Reliable, robust and versatile generator. Ready to deliver power for a next job.

### Increased uptime during operations

Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

### Reduced transport and installation costs

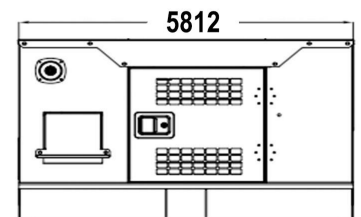
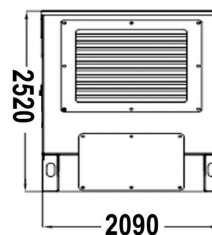
The compact and robust design with integrated transport features enables faster and safer transport and installation.

### Reduced service & maintenance costs

Longer service intervals. Quicker and more efficient service jobs.

### Premium resale value

Designed and built to last.



# ONEWPOWER

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DIMENSION		OPEN TYPE	SILENT TYPE
Length (L)	mm	3800	5812
Width (W)	mm	1494	2090
Height (H)	mm	2383	2520
Dry weight	kg	5675	9780
Fuel tank	L	1000	1000

## Technical Data

### Model ON-650

Rated prime power	KW	520
Rated standard power	KW	560
Rated voltage line to line	V	380~415
Maximun sound level	dB(@7m)	≤72

### Engine

Model	2806A-E18TAG2	
Aspiration	Turbocharged air-to-air charge cooling	
Fuel system	mechanical pump	
No. cylinders	6	
Displacement	Liquid	18.13
Bore*Stroke	mm	145*183
Compression ratio	14.5:1	
Rated speed	r/min	1500
Rated net power(with fan)	Kw	560
Governor type	ECU	

### Exhaust system

Exhaust gas flow		106 m³/min
Exhaust gas temp	° F (° C)	<555
Max back pressure		6 kPa

### Aspiration system

Max inlet pressure	kPa	≤3.5
Combustion volume	L/s	/
Air flow		TBD

### Fuel system

100% load(Prime power)	L/h	132
75% load(Prime power)	L/h	97
50% load(Prime power)	L/h	66
Fuel tank capacity	L	1000

### Lubrication system

Oil capacity	L	62
Oil consumption	g/kwh	28.3
Oil pressure	kPa	10
(continuous operation)		

### Cooling system

Coolant capacity	L	61
Thermostat operation range	°C	76-88
Max water temperature	°C	98

### Alternator

Model	ON-650	
Phase	3	
Voltage	V	380~415
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	KW	520
Exciter Type	Brushless, self-excitation	
Voltage regulation	%	±1.0
Protection Grade	IP 23	
Insulation grade	H/H	
Altitude	m	≤1000

### Controller

- Model
- Protective functions:
- Low oil pressure
  - High water temperature
  - High/low voltage
  - High Engine Temperature and Overspeed.
  - Voltage regulator frequency regulator
  - Emergency stop
  - Start failure



### Control Module Options



- Auto generator control module
- Control module with "Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

