ARES SERIES

AP1250/S – AP1700/S

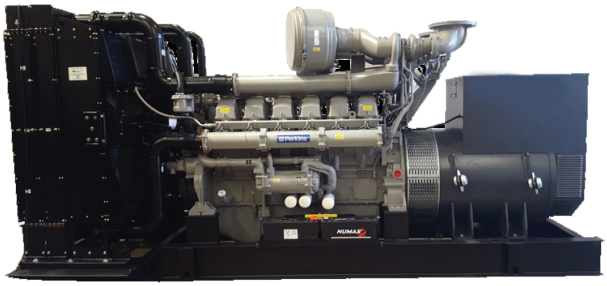
1250-1700 kVA

3 PHASE

PROUD TO BE MADE IN THE UK

EnSmart
Power Conversion & Energy Storage
MADE IN THE UK

WATER COOLED | 3 PHASE | 50 HZ | NON-COMPLIANT | DIESEL



	Generator Ratings (Prime/Standby)			
	AP1250/S	AP1350/S	AP1500/S	AP1700/S
PRIME POWER	**1250 kVA**	**1350 kVA**	**1500 kVA**	**1700 kVA**
	1000 kW	1080 kW	1200 kW	1368 kW
STANDBY POWER	**1375 kVA**	**1485 kVA**	**1650 kVA**	**1881 kVA**
	1100 kW	1188 kW	1320 kW	1505 kW
RPM	1500	1500	1500	1500
POWER FACTOR	0.8	0.8	0.8	0.8

EnSmart Ares AP Series - with Perkins Engines Coupled to Stamford or Meccalte Alternators.
Our diesel generators are available as an opentype or built in to soundproof canopies.
Please contact EnSmart on + 44 20 3808 85 60 for full specification and details.

ARES SERIES

AP1250/S – AP1700/S

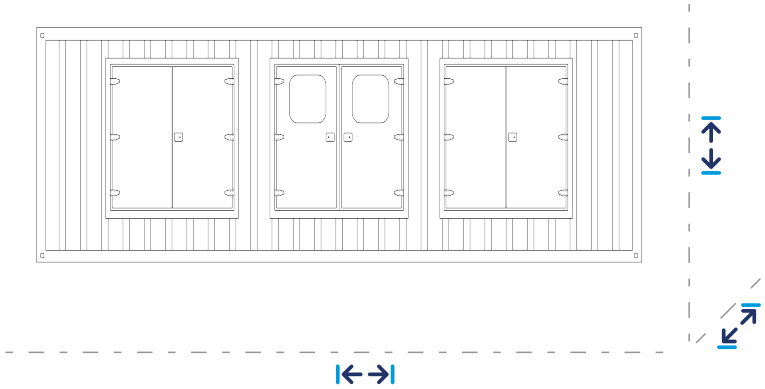
1250-1700 kVA

3 PHASE

PROUD TO BE MADE IN THE UK

EnSmart
Power Conversion & Energy Storage
MADE IN THE UK

CANOPY GENERATORS



	Dimensions & Weights			
	AP1250/S	AP1350/S	AP1500/S	AP1700/S
↔	40ft Container	40ft Container	40ft Container	40ft Container
↗↙	40ft Container	40ft Container	40ft Container	40ft Container
↑↓	40ft Container	40ft Container	40ft Container	40ft Container
KG	13500	13600	14600	15200

UK / EU Components.

Quality Materials & Workmanship

- Built into a 20ft container with galvanised fixings and a powder coating finish
- Canalised air-flow intake outlets equipped with water sand traps
- Large base fuel tanks to support long running
- Residential exhaust muffler mounted inside the container

Security and Safety

- High quality door locks with keys included
- Easy to transport, built into a 20ft shipping container
- Warning & hazard labels
- Operation manuals included
- Battery isolation switch included
- Emergency stop fitted
- Robust, designed for harsh terrains
- Test & pre-delivery inspection, then carefully packaged
- Cooling fan and battery charging alternator fully guarded
- Fuel fill point lockable with fuel breathing apparatus
- Multi-density polyester soundproofing material–Fire resistant Class 1.

Excellent Service and Maintenance Access

- Large doors for easy servicing
- Radiator filling point on the roof (UK Standard)
- Colour coded wiring looms.
- Measure perameters via DSE control modules

Transportability

- Lift hooks/Forklift space strong enough to support whole generator.

ARES SERIES

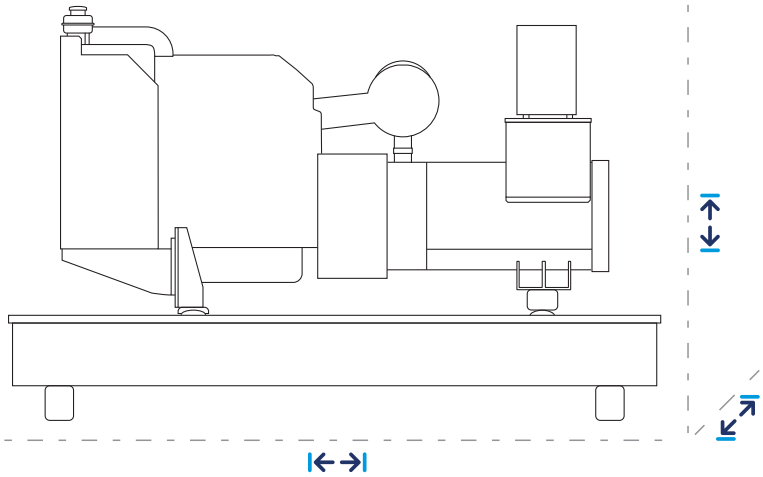
AP1250/S – AP1700/S

1250-1700 kVA

3 PHASE

PROUD TO BE MADE IN THE UK

EnSmart
Power Conversion & Energy Storage
MADE IN THE UK



OPEN TYPE GENERATORS

	Dimensions & Weights			
	AP1250/S	AP1350/S	AP1500/S	AP1700/S
↔	4730	4730	4990	5100
↙↗	1780	1980	2160	2160
↑↓	2450	2450	2510	2810
KG	8900	9000	10000	10600

UK / EU Components.

Key Features

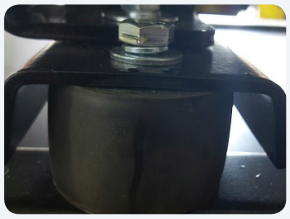
- Skid base manufactured from high grade steel
- Colour coded wiring looms (to aid maintenance)
- High quality, noise reducing silencer
- Anti vibration mounts, for the engine and alternator
- Mechanical fuel gauge for ease of checking
- Large robust fuel tank to provide a minimum of 8 hour operation time
- Easy fuel filling point
- Forklift space strong enough to support whole generator.

Security and Safety

- Lockable control panel
- Emergency stop button
- Cooling fan and battery charging alternator fully guarded.

Specific Open Type Features:

External Fuel Gauge allows for easy monitoring and



UK Anti-Vibration Mounts, for the engine and alternator, to ensure the longevity of your generator.

High quality, noise reducing Silencer.

Large robust fuel tank to provide a minimum of 8 hour operation time (5-690kva)

ARES SERIES

AP1250/S – AP1700/S

1250-1700 kVA

3 PHASE

PROUD TO BE MADE IN THE UK

EnSmart
Power Conversion & Energy Storage
MADE IN THE UK

		Fuel Consumption & Sound Levels			
		AP1250/S	**AP1350/S**	**AP1500/S**	**AP1700/S**
TANK CAPACITY (Litres)		2000	2000	2000	2000
FUEL CONSUMPTION: (Litres per Hour)	110%	288	318	341	405
	100%	259	283	310	370
	75%	196	213	234	275
SOUNDPROOFED CANOPY dBA RATINGS: (75%)	7M	75	75	75	75
	1M	86	86	86	86

	Engine Technical Data			
	AP1250/S	**AP1350/S**	**AP1500/S**	**AP1700/S**
ENGINE BRAND:	Perkins	Perkins	Perkins	Perkins
ENGINE MODEL:	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A
INDUCTION:	Turbo Charged	Turbo Charged	Turbo Charged	Turbo Charged
COOLING:	Water Cooled	Water Cooled	Water Cooled	Water Cooled
GOVERNOR TYPE:	Electronic	Electronic	Electronic	Electronic
CYLINDER:	12	12	12	12
BORE STROKE (mm):	-	-	-	-
COMPRESSION RATIO:	13:1	13:1	13:1	13:1
DISPLACEMENT (L):	45.84	45.84	45.84	45.84
OIL CAPACITY (L):	177	177	177	177

		Alternator Technical Data			
		AP1250/S	**AP1350/S**	**AP1500/S**	**AP1700/S**
ALTERNATOR MODEL	MeccAlte	ECO43-2L/4	ECO43-VL/4	ECO46-1S/4	ECO46-2S/4
	Stamford	S6L1D-G4	S6L1D-H4	PI734C	PI734E
BEARINGS:		1	1	1	1
WINDING PITCH:		2/3	2/3	2/3	2/3
WIRES:		12	12	12	12
CLASS:		H	H	H	H
VOLTAGE REGULATOR:		AREP/AVR	AREP/AVR	AREP/AVR	AREP/AVR
PROTECTION :		IP23	IP23	IP23	IP23

ARES SERIES

AP1250/S – AP1700/S

1250-1700 kVA

3 PHASE

EnSmart
Power Conversion & Energy Storage
MADE IN THE UK

AUTO START / MANUAL CONTROL PANEL (STANDARD)

Deep Sea Electronics is one of the world's top manufacturers of generator control, auto transfer switch and battery charger equipment. They employ over 120 people on four continents and supply EnSmart Power from their UK head office and production plant.

DSE4520 Manual Control Module

Please see Deep Sea PLC Control Module brochure for full specification.

DSE4520 Auto Mains Failure Control Module

Please see Deep Sea PLC Control Module brochure for full specification.

DSE7000 Series – Auto Mains Failure Control Module

Please see Deep Sea PLC Control Module brochure for full specification.

ARES SERIES

AP1250/S – AP1700/S

1250-1700 kVA

3 PHASE

PROUD TO BE MADE IN THE UK

EnSmart
Power Conversion & Energy Storage
MADE IN THE UK

OPTIONAL ACCESSORIES

Operation:

- Automatic Transfer Switches
- Manual Transfer Switches
- Automatic Fuel Transfer
- External Plug Sockets

Service & Maintenance:

- Minor & Major Service Parts
- Service Contracts (UK Customers)

Control:

- GSM Modem
- Remote Control Start

Further Options:

- Fuel Tanks – External/Large/Underground
- Bespoke Canopies (including Colour)
- Slow/Fast Trailer
- & Many More

GENERATOR ESSENTIAL SERVICE PARTS

As well as stocking a huge range of EnSmart Diesel generator parts, our EnSmart essential parts division supplies parts for all major brands and can dispatch them anywhere in the world – 24hrs a day, 7 days a week.

UNITED KINGDOM OFFICE

Kemp House 160 City Road, London, EC1V 2NX,
United Kingdom
T: + 44 20 3808 85 60
E: sales@ensmartpower.com

UNITED KINGDOM FACTORY

Unit C4, Vivars Way, Selby
North Yorkshire, YO8 8BE

TURKEY OFFICE

Halk Cad. Palladium Office, No:8/A3, Atasehir,
Istanbul, Turkey 34752
T: +90 216 225 84 66
E: sales@ensmartpower.com