RiteWat
ENERGY SOLUTIONS

TELECOM RANGE

OPTIONAL FOR ANTI-THEFT DESIGN

1000 HOURS MAINTENANCE-FREE

Where generators are running continuously the greatest operating cost is for routine maintenance. Generally, generator sets require routine maintenance services every 250 running hours including the replacement of filters and lubrication oil. Operating expenses are not only for replacement parts but also for labour costs and transportation, which can be very significant for remote sites.

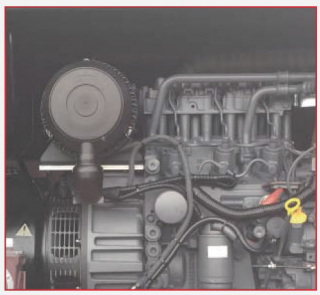
In order to minimize these operating costs and improve the running stability of generator sets, we has designed a customized solution that allows a generator set to run for 1,000 hours without maintenance.

AUTOMATIC LUBRICATING REFILL SYSTEM

Automatic lubricating oil refill system with precision control and consistent quality.

EXTENDED OIL SUMP

Extended oil sump to increase the lubrication oil capacity.



1000 HOURS MAINTENANCE-FREE FILTERS

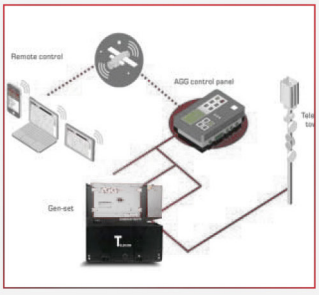
The air filter, fuel filter and oil filter are 1000 hours maintenance free type.

EXTENDED FUEL TANK

The extended fuel tank allowed the generator sets more than 1000 hours continuous running.

MAINTENANCE-FREE BATTERY

The standard starting batteries are maintenance free type.



STABLE REMOTE CONTROL

The stable remote control allow the availability of 1000 hours continuous running without maintenance.

RiteWat

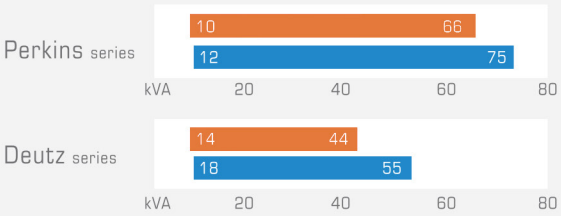
ENGINE
Maintenance Free

ALTERNATOR
3 Phase Sensing AVR (+/- 0.5%)

OPTIONAL
Tool kits | Dummy load |
Surge protection device

10-75 kVA
TELECOM RANGE

50HZ 60HZ



FUEL TANK
Built-in fuel tank up to 1,000L, up to 14 days running without refueling

1000h MAINTENANCE
Extended oil sump and 1000h maintenance free filters allow 1000h

FLEET MANAGEMENT
support GPRS, 4G & Ethernet

The noise level can be reduced by 15-35db thought multiple noise

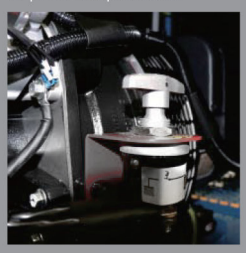
OPERATION
The gensets are easy to operate due to human friendly design.

STRONG & DURABLE
Professional solutions, to the level of quality for operating in the most adversus conditions anywhere.

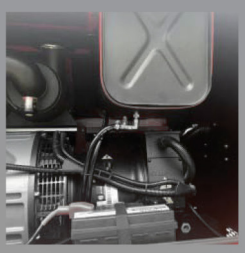
HIGH EFFICIENCY

1 **Versatile control panels**
we provide integrated ATS, dummy load control system and be controlled remotely.

2 **Maximum protection**
Battery charger, battery isolator and maintenance-free battery are standard to protect operation.



3 **Wide access for maintenance**
Designs that simplify the maintenance and servicing



TECHNICAL DATA

RiteWat ENERGY SOLUTIONS

50HZ T

10-66kVA

Genset Model	ESP		PRP		Fuel Cons L/H (75%)	L*W*H (mm)	Engine	Engine Model	Country of origin	Cyl Arrangement	Displacement (L)	Gov	Cooling
	KVA	KW	KVA	KW									
RP10D5	10	8	9	7	2.3	1870*800*2037	Perkins	403A-11G1	UK CN	3L	1.1	M	≈
RP17D5	17	13	15	12	3.1	1870*800*2037	Perkins	403A-15G2	UK CN	3L	1.5	M	≈
RP22D5	22	18	20	16	4	2150*800*2007	Perkins	404A-22G1	UK CN	4L	2.2	M	≈
RP33D5	33	26	30	24	5.4	2280*900*1847	Perkins	1103A-33G	UK IN	3L	3.3	M	≈
RP50D5	50	40	45	36	8.2	2400*900*1847	Perkins	1103A-33TG1	UK IN	3L	3.3	M	≈
RP66D5	66	53	60	48	10.4	2500*900*1847	Perkins	1103A-33TG2	UK IN	3L	3.3	M	≈
RD14D5	14	11	13	10	2.9	1870*850*1957	Deutz	F2M2011	DE	2L	1.6	M	oil
RD22D5	22	18	20	16	4.7	2150*850*1957	Deutz	F3M2011	DE	3L	2.3	M	oil
RD33D5	33	26	30	24	6.3	2280*900*1717	Deutz	F4M2011	DE	4L	3.1	M	oil
RD44D5	44	35	40	32	8.4	2280*900*1717	Deutz	BF4M2011	DE	4L	3.1	M	oil

60HZ T

12-75kVA

Genset Model	ESP		PRP		Fuel Cons L/H (75%)	L*W*H (mm)	Engine	Engine Model	Country of origin	Cyl Arrangement	Displacement (L)	Gov	Cooling
	KVA	KW	KVA	KW									
RP12D6	12	10	11	9	2.3	1870*800*2037	Perkins	403D-11G	UK CN	3L	1.131	M	≈
RP17D6	17	14	15	12	5.5	1870*800*2037	Perkins	403D-15G	UK CN	3L	1.496	M	≈
RP20D6	20	16	18	14	NA	1870*800*2037	Perkins	403A-15G2	UK CN	3L	1.496	M	≈
RP27D6	27	22	24	19	4.8	2150*800*2007	Perkins	404D-22G	UK CN	4L	2.216	M	≈
RP38D6	38	30	35	28	6.6	2280*900*1847	Perkins	1103A-33G	UK IN	3L	3.3	M	≈
RP59D6	59	47	53	42	9.9	2400*900*1847	Perkins	1103A-33TG1	UK IN	3L	3.3	M	≈
RP75D6	75	60	68	54	12.5	2500*900*1847	Perkins	1103A-33TG2	UK IN	3L	3.3	M	≈
RD18D6	18	14	16	13	3.3	1870*850*1957	Deutz	F2M2011	DE	2L	1.6	M	oil
RD28D6	28	22	25	20	4.6	2150*850*1957	Deutz	F3M2011	DE	3L	2.3	M	oil
RD42D6	42	34	38	30	6.9	2280*900*1717	Deutz	F4M2011	DE	4L	3.1	M	oil
RD55D6	55	44	50	40	9.0	2280*900*1717	Deutz	BF4M2011	DE	4L	3.1	M	oil

≈ Water-cooling oil Oil-cooling

Telecom silent type UK The engine is UK original CN The engine is China original IN The engine is India original DE The engine is Germany original

The rating is according to ISO 8528-1: + 25℃ MASL; 30% relative humidity.

Further voltage rating are available under request: 50HZ_380V/415V/440V.

PRP-ISO8528: prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

ESP-ISO8528: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (of which no more than 300 h for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

CLOUD-BASED FLEET MANAGEMENT

Safety I Security I Efficiency I Revenue Management I Reduce Costs I
Increase Revenue I Data Rentention

REDUCES FREQUENCY OF SITE VISITS AND OPTIMISES MAINTENANCE

PC ACCESS
Web I Software I GRPS I Email

MOBILE ACCESS
App I Message I 4G(LTE) I 3G(UMTS) I GPRS I Email

REMOTE CONTROL OF THE GENSET
Turn on/off I Activate contactors I Change of mode I Monitor the fuel level I Read the status of information on the generator set

SCHEDULED REFUELING AND MAINTENANCE
Scheduled the refueling and maintenance time

LOCATION
GPS Location I Tracking I Regional Designation

ALERT NOTIFICATIONS
Informed when the gensets are abnormal

THEFT ALERT
Anti-theft system by GPS location

CONTROLLER HISTORY DOWNLOAD
Enables download of the complete controller history which can aid in diagnose failure, operator usage, and warranty claim resolution.

AUTOMATED REPORTING
Allows for convenient monthly summary of fleet revenue performance and costs

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ENERGY SOLUTIONS


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