



Onsite Power for Standard Applications



TAL
The Simple Solution

10-1000 kVA (50 Hz)
10-1250 kVA (60 Hz)

LEROY-SOMER™

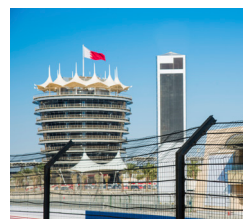
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Prime Power & Emergency Standby Solutions

The **performance** you need, the **quality** you want, and a **brand** you appreciate.

Leroy-Somer is a leading global supplier of alternators for emergency power. Our new TAL low voltage alternators, with optimal performance for standard generator set needs, are a simple, efficient solution for your onsite power requirements:

- Stores and shopping centers
- Office buildings
- University buildings
- Sports venues
- Medical office complexes
- Telecom cell towers
- Government buildings
- Manufacturing facilities
- Hotels
- Theaters and concert halls
- Construction sites
- Residence
- Rental



TAL Low Voltage 4-Pole Alternators

10-1000 kVA (50 Hz)

10-1250 kVA (60 Hz)

Leroy-Somer's TAL alternators are specially designed to meet the power needs of standard applications. TAL is compatible with most engine brands.

Compact design

- Shortest profile, smallest footprint
- Requires less installation space
- Standard feet positioning
- EASY to install and maintain
- Simplified terminal box
- Accessible coupling disk
- Easy access to cables and regulator

Reliable operation

- Performance optimized for prime and standby applications
- Rugged assembly withstands engine vibration
- Sturdy steel frame with aluminum or cast iron flanges and shields



Quality is assured

- Like all Leroy-Somer products, TAL alternators meet the highest quality standards
- Compliant with EMC, CE, and IEC 60034
- Manufactured in ISO 9001 and 14001 factories

Electrical features

- 2/3 winding pitch
- 6-wire reconnectable for 3-phase (12-wire optional)
- 4-wire for dedicated single-phase (TAL40-42-44)

Ratings, Standard configuration & Options

Model		TAL 40	TAL 42	TAL 44	TAL 46	TAL 47	TAL 49
Ratings							
Continuous Rating	50 Hz	10-20 kVA	25-60 kVA	70-165 kVA	180-410 kVA	420-660 kVA	730-1000 kVA
	60 Hz	10-25 kVA	29-75 kVA	69-206 kVA	180-510 kVA	475-825 kVA	725-1250 kVA
Standby Rating	50 Hz	11-22 kVA	27.5-66 kVA	77-181 kVA	200-450 kVA	460-730 kVA	805-1100 kVA
	60 Hz	11.5-27.5 kVA	32-82.5 kVA	76-225 kVA	200-580 kVA	525-910 kVA	800-1375 kVA
Standard configuration							
SHUNT excitation / AVR	6-lead	R120	R120	R120	R150	R150	R150
Options							
SHUNT excitation / AVR	12-lead	R120	R120	R120	R250	R250	R250
AREP - PMG excitation / AVR (available soon)	6/12-lead	R180 (AREP only)	R180	R180	R180	R180	R180
UL/CSA*		√	√	√	√	√	√
CE marking (outside Europe)		√	√	√	√	√	√
Customized paint		√	√	√	√	√	√
Space heater		√	√	√	√	√	√
Flying leads		√	√	√	-	-	-
Droop kit for alternator paralleling		-	-	√	√	√	√
Dedicated single phase		√	√	√	-	-	-
Harsh environment protection System 2 or 4		√	√	√	√	√	√
Stator sensors		-	-	√	√	√	√
Winding 8 380V 60 Hz		√	√	√	√	√	√

√ : available

* CSA approval through cUR_{US}

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