cells	
cell_id	int
cell_type_id	int
batch_number	text
label	text
date_received	date
comments	text
date_manufactured	date
manufacture_sn	text
dimensions	jsonb
weight_g	real
first_received_at_voltage_mv	real

schedule_meta	
schedule_id	int
schedule_name	text
test_type	text
cycler_make	text
date_created	date
created_by	text
comments	text
cv_voltage_threshold_mv	int
schedule_files	text

cells_meta	
cell_type_id	int
manufacturer	text
manufacturer_pn	text
form_factor	text
capacity_mah	int
chemistry	text
dimensions	jsonb

test_data	
test_data_id	int
test_id	smallint
cycle	smallint
step	smallint
test_time_s	numeric
step_time_s	numeric
current_ma	numeric
voltage_mv	numeric
recorded_datetime	timestamptz
unixtime_s	numeric
thermocouple_temps_c	numeric[]
other_detail	jsonb

cyclers			cyclers_meta	
cycler_id	int	+	cycler_type_id	int
cycler_type_id	int	>	manufacturer	text
sn	text		model	text
calibration_date	date		datasheet	text
calibration_due_date	date		num_channels	smallint
location	text		lower_current_limit_a	numeric
timezone_based	text		upper_current_limit_a	numeric
			lower_voltage_limit_v	numeric
			upper_voltage_limit_v	numeric

jsonb

test	data	cvcle	stats	

other\_detail

cycle_stats_id	int	
test_id	smallint	≥
cycle	smallint	
test_time_s	int	-
reported_charge_capacity_mah	numeric	
reported_discharge_capacity_mah	numeric	
reported_charge_energy_mwh	numeric	
reported_discharge_energy_mwh	numeric	
calculated_charge_capacity_mah	numeric	
calculated_max_charge_temp_c	numeric	
calculated_discharge_capacity_mah	numeric	
calcualated_max_discharge_temp_c	numeric	
calculated_cc_charge_time_s	numeric	
calculated_cv_charge_time_s	numeric	
calculated_cc_capacity_mah	numeric	
calculated_cv_capacity_mah	numeric	
calculated_coulombic_efficiency	numeric	
reported_coulombic_efficiency	numeric	
reported_charge_time_s	numeric	
reported_discharge_time_s	numeric	
calculated_fifty_percent_charge_time_s	numeric	
calculated_eighty_percent_charge_time_s	numeric	
calculated_charge_energy_mwh	numeric	
calculated_discharge_energy_mwh	numeric	

	test_meta			
-	test_id	int		
	cell_id	smallint		
<	schedule_id	smallint		
	test_name	text		
	start_date	date		
	end_date	date		
	channel	smallint		
	ev_chamber	smallint		
	ev_chamber_slot	smallint		
	thermocouples	smallint		
	thermocouple_channels	smallint		
	comments	text		
	project_id	int		
	test_capacity_mah	int		
	potentiostat_id	int[]		
<	cycler_id	int		